

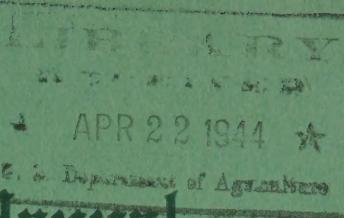
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# Garden Seed Manual

OF

## **"Bowman's Better Seeds"**

BOOK I



The Bowman Seed Company  
Concordia, Kansas



# **OUR MESSAGE to Our Many Friends . . .**

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This descriptive book has been compiled through the many years' experience of our fieldmen and co-operation of many outstanding seed growers. Now you may know the true facts as to the kind, productiveness and habits of the varieties you are interested in. These facts are all based on normal growing conditions.

We hope our efforts will be of service to you, and your past results from using "Bowman's Better Seeds" have been profitable. Our seeds are all from highly bred stocks and are without a doubt the best in quality you can obtain anywhere. Continue using these seeds and you will enjoy and profit by their results.

Your demanding "Bowman's Better Seeds" will benefit you and please us. It will also prove to us, our efforts to improve our seeds to the highest standards have not been in vain. This high standard you will always find in "Bowman's Better Seeds."

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**THE BOWMAN SEED COMPANY  
Concordia . . . . . Kansas**

# PLANTING GUIDE

Kind of Vegetable	Hand Cultivated		Depth of Planting, Inches	Seed Required Per Acre	Seed Required 100 Ft. Row	Approximate Yield 100 Ft. Row	Hardiness
	Distance Between Rows, Inches	Distance Apart in Rows, Inches					
Artichoke .....	36-48	18-24	1/4	.....	1/4 oz.	.....	Perennial
Asparagus .....	14-24	3-6	1	5 lbs.	1 oz.	50 lbs.	Perennial
Beans, Bush .....	24-30	2-3	1 1/2-2	60 lbs.	1 lb.	50 lbs.	Tender
Beans, Bush Lima.....	18-24	2-3	1	60 lbs.	1 lb.	50 lbs.	Tender
Beans, Pole .....	36-48	6-8	1 1/2-2	30 lbs.	3/4 lb.	60 lbs.	Tender
Beets .....	14-24	2-3	1/2-1	6 lbs.	2 oz.	100 lbs.	Hardy
Broccoli .....	24-30	14-24	1/2	2 oz.	1/4 oz.	100 Heads	Hardy
Brussels Sprouts.....	24-30	12-18	1/2	2 oz.	1/4 oz.	30 qts.	Hardy
Cabbage .....	18-36	14-24	1/2	4 oz.	1/4 oz.	75 Heads	Hardy
Cabbage, Chinese .....	18-24	12-15	1/2	6 oz.	1 oz.	100 Heads	Hardy
Carrot .....	16-24	2-3	1/2	3 lbs.	1/2 oz.	100 lbs.	Hardy
Cauliflower .....	24-30	20-24	1/2	1 oz.	1 Pkt.	50 Heads	Hardy
Celeriac .....	18-24	4-6	1 1/8-1 1/4	4 oz.	1 Pkt.	.....	Tender
Celery .....	18-40	4-6	1 1/8-1 1/4	4 oz.	1 Pkt.	200 Stalks	Tender
Collards .....	18-30	14-18	1/2	4 oz.	1/2 oz.	6 bu.	Hardy
Corn, Sweet .....	30-42	9-12	1-2	12 lbs.	1/2 lb.	100 Ears	Tender
Cucumber .....	48-60	12-36	1/2-1	2 lbs.	1 oz.	150 lbs.	Tender
Dill .....	18-36	4-8	1/2	.....	1/2 oz.	.....	Hardy
Eggplant .....	24-36	18-24	1/2	4 oz.	1/4 oz.	150 Fruits	Half Hardy
Endive .....	12-24	8-12	1/2-1	2 lbs.	1 oz.	50 lbs.	Hardy
Horseradish .....	24-30	14-20	3-4	.....	70 Roots	100 Roots	Perennial
Kale (Borecole).....	18-32	12-24	1/2-1	1 lb.	1/2 oz.	50 lbs.	Hardy
Kohlrabi .....	15-18	4-8	1/2	1 lb.	1/2 oz.	100 lbs.	Hardy
Leek .....	12-18	2-6	1 1/2-1	4 lbs.	1/2 oz.	400 Plants	Hardy
Lettuce, Leaf.....	12-18	4-12	1/2	3 lbs.	1/2 oz.	50 lbs.	Hardy
Lettuce, Head.....	18	8	1/2	2 lbs.	1/2 oz.	125 lbs.	Tender
Muskmelon .....	70-80	36-60	3/4-1	2 lbs.	1 oz.	50 Fruits	Very Tender
Mustard .....	14-24	6-9	1/2	1 lb.	1/2 oz.	1 bu.	Hardy
Okra (Gumbo).....	36-48	18-24	1-1 1/2	8 lbs.	2 oz.	30 lbs.	Tender
Onions .....	12-24	4	1/2	4 lbs.	1 oz.	100 lbs.	Hardy
Onions, for Green.....	18	1	1/2	.....	3 lbs.	1200 Plants	Hardy
Onions, Plants .....	14-16	2-3	1-2	22 Crates	400 Plants	100 lbs.	Hardy
Onions, Sets .....	12-18	2-3	1	.....	2 Qts.	100 lbs.	Hardy
Parsley .....	12-18	3-8	1/8	3 lbs.	1/4 oz.	50 lbs.	Hardy
Parsnip .....	18-36	3-6	1 1/2-1	3 lbs.	1 oz.	100 lbs.	Very Hardy
Peanuts .....	2 1/2-3	8-10	2	40 lbs.	1 lb.	50 lbs.	Hardy
Peas .....	24-36	1-2	2	60 lbs.	1-2 lbs.	40 lbs.	Hardy
Peppers .....	18-30	15-24	1 1/4-1 1/2	2 oz.	1/4 oz.	120 Peppers	Half Hardy
Potato, Irish .....	28-36	12-18	4-5	12 bu.	5-8 lbs.	75 lbs.	Half Hardy
Potato, Sweet .....	36-60	14-18	3-4	8200 Slips	75 Slips	100 lbs.	Tender
Pumpkin .....	84-108	60-84	1	4 lbs.	1 oz.	100 Fruits	Tender
Radish .....	12-18	1-2	1 1/2-1	10 lbs.	1 oz.	1200 Roots	Hardy
Rhubarb .....	24-60	18-24	1/2	5 lbs.	1 oz.	100 lbs.	Perennial
Rutabaga .....	18-24	6-8	1 1/2-1	1 lb.	1/2 oz.	150 lbs.	Hardy
Salsify (Oyster Plant).....	18-24	2-4	1 1/2-1	8 lbs.	1 oz.	75 lbs.	Very Hardy
Soybeans, Edible.....	30	3-4	1 1/2-1	60 lbs.	3/4 lb.	35 lbs.	Tender
Spinach .....	12-18	1-5	1	8 lbs.	1 oz.	50 lbs.	Hardy
Spinach, New Zealand.....	30-36	12-18	1	.....	1 oz.	40 lbs.	Very Hardy
Squash, Summer.....	36-48	36-48	1	4 lbs.	1/2 oz.	100 Fruits	Tender
Squash, Winter.....	72-90	72-90	1	2 lbs.	1/2 oz.	100 Fruits	Tender
Swiss Chard .....	12-18	4-6	1	4 lbs.	1 oz.	25 lbs.	Very Hardy
Tomato .....	40-60	36-40	1 1/4-1 1/2	2 oz.	1/8 oz.	2 bu.	Very Tender
Turnips, Roots.....	18-24	2-4	1/2	1 lb.	1/2 oz.	100 lbs.	Hardy
Turnips, Greens.....	12-18	2-4	1/2	1 1/2 lbs.	1 oz.	1 1/2 bu.	Hardy
Watermelon .....	72-96	72-96	1-2	2 lbs.	1 oz.	25 Fruits	Very Tender

Approximately 100 ft. x 436 ft. = 1 Acre.

## ARTICHOKE

**LARGE GREEN GLOBE**..... Length Days to  
of Pods Maturity

Best for home, market, or shipping. A perennial. Where winters are severe protect from freezing with a heavy mulch. The fleshy scales of the flower bud are edible and quite a delicacy. Plant seeds indoors. Transplant after danger of frost is past. Plants bear second year from seed.

## ASPARAGUS

**MARY WASHINGTON**.....

F The plants form large straight, thick, heavy shoots, and are of excellent quality. A rust resistant strain and a heavy yelder.

## BEANS

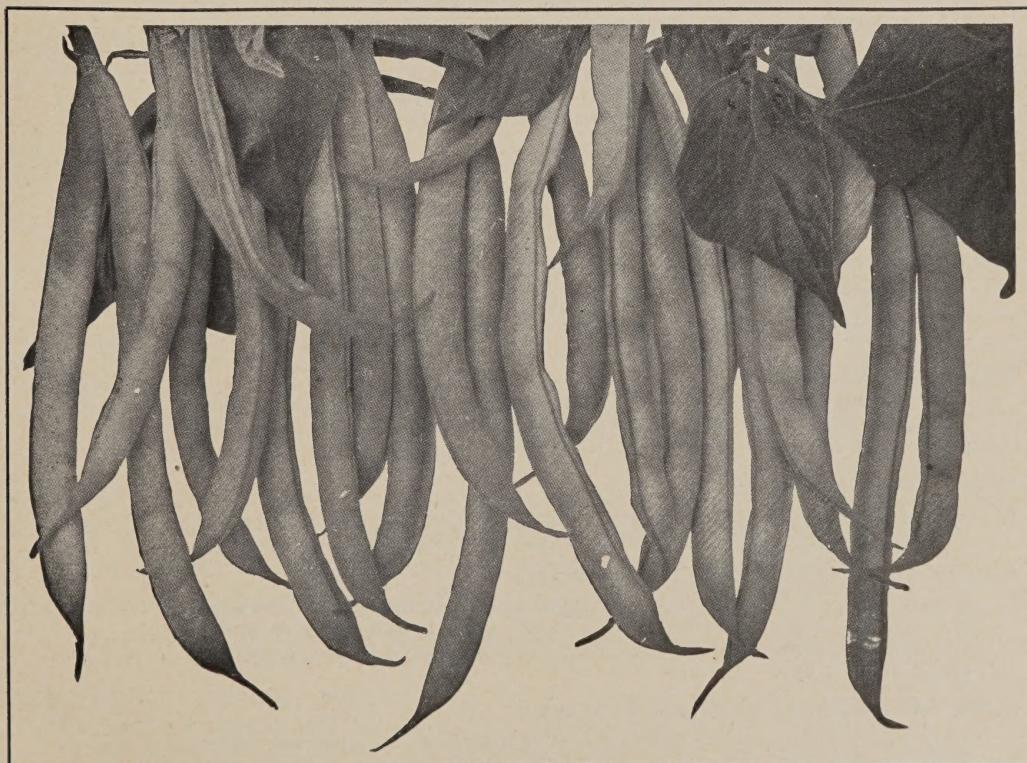
### Bush or Dwarf—Green Podded

**BOUNTIFUL**..... 6½" 48

F Plants prolific and heavy yielders. Pods flat, slightly fibrous, brittle, stringless and tender. Seeds brownish yellow.

**BURPEE'S STRINGLESS GREEN POD**..... 6" 50

F The most commonly used green bean for home gardens. Pods nearly round, strictly stringless, meaty and very tender. Plants large and yield very heavy. Seeds dark brown.



*Burpee's Stringless Green Pod*

F—Recommended for Quick Freezing Lockers.

## BEANS—Continued

	Length of Pods	Days to Maturity
<b>FULL MEASURE</b> .....	6½"	53
F Good yielder, stringless, brittle, meaty and fine grained. Pods are straight, deep green and round. Seeds are of reddish-brown mottled with buff.		
<b>GIANT STRINGLESS GREEN POD</b> .....	6½"	53
F A very desirable variety. Sturdy plants, hardy, and very productive. Excellent for canning. Pods medium green, round, meaty, brittle, stringless and very tasty. Seeds are brownish-yellow.		
<b>RED VALENTINE STRINGLESS</b> .....	5"	52
An improvement over the old favorite Red Valentine. A dependable producer. Plants are medium, erect and hardy. Pods very meaty, brittle, tender and stringless. Seeds are purplish-red spotted with buff.		
<b>REFUGEE STRINGLESS</b> .....	5"	68
F A later variety but hardy. Pods are round, very uniform, fine grained, brittle and stringless. Similar to 1000-1 only absolutely stringless. Seeds deep violet-purple spotted with buff.		
<b>STRINGLESS BLACK VALENTINE</b> .....	6"	53
Resistant to early frosts, more so than most beans, and is extremely hardy. Excellent shipping bean. Pods are uniform, straight and oval. Retains dark green color long after picking. In some sections it is also known as French String Bean. Seeds are black.		
<b>TENDERGREEN (New Stringless Green Pod)</b> .....	6"	52
F Excellent for home and market gardener. A variety of extra fine flavor. Large plants, erect and productive. Pods round, straight, fleshy, dark green and stringless. Seeds are mottled buff and purple.		
<b>TENNESSEE GREEN POD</b> .....	7"	51
Large, hardy and very productive plants. Pods are flat, broad and curved, stringy but of unusually good flavor. Best when picked early. Seeds are flat yellowish-brown.		

## Bush or Dwarf—Wax Podded

<b>DAVIS STRINGLESS WAX</b> .....	6"	52
Medium sized plants. Pods light yellow, straight, flat and thick, fibrous but stringless. Pick early for best quality. Seeds are white kidney shaped.		
<b>IMPROVED GOLDEN WAX</b> .....	4½"	50
Good for home gardens. Small plant but vigorous and rust resistant. Pods are creamy yellow, flat, and stringless. Seeds are white with brown and purple around eye.		
<b>PENCIL POD BLACK WAX</b> .....	5"	53
F Most popular home and market variety. Produces over long period. Pods golden yellow, round, brittle, meaty and stringless. Seeds black.		
<b>ROUND POD KIDNEY WAX (Brittle Wax)</b> .....	6"	54
F A most valuable bean for home gardens and canning. Plants are erect and prolific. Pods are round, very meaty and stringless. Also brittle and without fibre. Color light waxy yellow. Seeds white, brownish-black around eye.		
<b>SURE CROP BLACK WAX (Bountiful Wax)</b> .....	6"	53
A good yielding variety for market gardeners. A vigorous plant. Pods deep yellow, nearly round, fleshy and stringless. Seeds oval, purplish-black.		

F—Recommended for Quick Freezing Lockers.

**BEANS—Continued**

**Field or Shell Beans for Dry Use**

		Length of Pods	Days to Maturity
<b>BANSEI—Edible Soybean</b> .....	Plants very prolific, erect, and of medium height. An early maturing variety. May be eaten at a green edible stage when pods are fully filled. Has a pleasing mild flavor. Seeds glossy yellow.	3"	90
<b>GREAT NORTHERN—Large Navy</b> .....		4"	90
<b>F</b> A hardy prolific plant. Hardier than the small navy and a better yielder under normal conditions.			
<b>MICHIGAN NAVY—Small Navy</b> .....	Prolific and hardy plant but has tendency to form runners. Seeds small white.	4"	90
<b>PINTO</b> .....	Hardy and prolific. Good yielder. Seeds are light brown mottled with buff.	4"	90
<b>RED KIDNEY</b> .....	Plant grows 20 to 22 inches. Pods flat, broad, and straight, containing five to six beans. Seeds are red, kidney shaped.	6½"	70
<b>WHITE KIDNEY WAX</b> .....	Hardy, productive plant. Good quality dry bean. Seeds white, kidney shaped.	6"	90

**Pole Beans—Wax and Green Podded**

<b>KENTUCKY WONDER GREEN POD (Old Homestead)</b> .....		9"	65
<b>F</b> Vine growth 6 feet. Heavy yielder. A favorite of the Pole Beans. Pods round, brittle, almost stringless, green podded and of excellent flavor. Seeds buff brown.			
<b>KENTUCKY WONDER WAX</b> .....		8"	67
<b>F</b> Heavy yielder. 5-foot vine, good climber. Pods flat, curved, meaty and glossy yellow, tender and nearly stringless. Seeds flat, chocolate brown.			
<b>KENTUCKY WONDER WHITE SEEDED (Burger's Stringless)</b> .....		6"	63
<b>F</b> Prolific, continuous bearer. Short vine. Earliest pole bean for snap use. Pods dark green, brittle, curved and stringless. May also be used as dried beans, good flavored. Seeds white.			
<b>LAZY WIFE</b> .....	Good climber, very good yielder. Good tasting as snap beans, green shell or dried beans. Pods green, straight, thick and meaty, tender, brittle and stringless. Seeds plump, white.	6½"	74
<b>SCARLET RUNNER</b> .....	Vine 12 feet, flowers scarlet, used as a shell bean or green snap bean. Also as an ornamental flowering vine. Pods dark green, fleshy, flat. Seeds are flat, kidney shaped, dark purple spotted with reddish-buff.	6"	90
<b>SPECKLED CUT SHORT or CORN HILL</b> .....	Very hardy, 5-foot climber. Pods round, straight, dark green and almost stringless. Seeds round, mottled purplish-gray.	4"	73
<b>YARD LONG (Asparagus Bean)</b> .....	Grown for curiosity and forage mostly. Cowpea type, edible, tough except when young. Pods nearly round, fiberless with light string. Seeds reddish brown with black circle around eye.	22"	72

F—Recommended for Quick Freezing Lockers.

## BEANS—Continued

## Bush Lima—Dwarf

		Length of Pods	Days to Maturity
<b>BURPEE'S IMPROVED BUSH</b> .....		5"	75
F Large plants, heavy yielders. Pods usually contain four large beans. Seeds large, flat greenish-white.			
<b>FORDHOOK BUSH LIMA (Potato Lima)</b> .....		4 1/2"	75
F Heavy yielding large erect plants. Pods contain three or four large plump beans of excellent quality. Seeds large, plump, white.			
<b>HENDERSON'S BUSH (Baby Lima)</b> .....		3"	65
F Medium large plants, heavy yielder, popular canning variety of splendid quality. Pods contain three to four seeds. Seeds small, flat, white.			
<b>JACKSON WONDER (Speckled Bush Lima) (Calico)</b> .....		3"	65
A small sized plant, spreads without runners, drouth resistant and productive. Pods contain three to four seeds. Seed small, flat, mottled with brownish-red.			

## Pole Lima

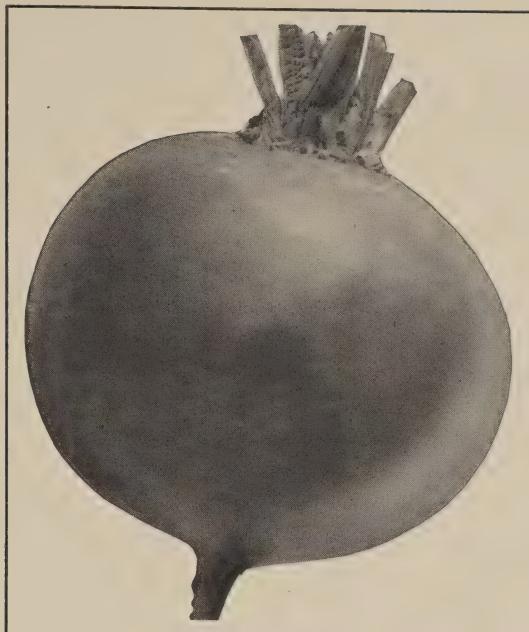
		3"	78
<b>FLORIDA BUTTER (Speckled Pole Lima)</b> .....	Vigorous and prolific, has long bearing season. Pods in clusters, three beans per pod. Seeds buff spotted with reddish-brown.		
<b>KING OF THE GARDEN</b> .....		6"	88
F Most popular Pole Lima. Excellent vine. Highly productive and long bearer. Four to five beans in each pod. Seeds large, thick, flat and white.			
<b>SIEVA (Carolina)</b> .....		3 1/2"	78
F A small seeded climber of the Henderson Bush Lima type. A heavy yielder of splendid quality. Seeds small, white, flat.			

## BEETS

## Table Varieties

		Diameter	Days to Maturity
<b>CROSBY'S EGYPTIAN</b> .....		3"	60
F Popular early variety with market gardeners. Flattened, globe shaped with small tap root. Flesh purplish-red, with indistinct lighter zones. Has large, tall tops.			
<b>DETROIT DARK RED</b> .....		2 1/2"	68
F A favorite among home gardeners. Standard variety for market gardeners, shippers, and canners. Uniform roots smooth and globular with small tap root. Sweet, tender and of fine quality. Dark ox-blood red flesh with indistinct zones. Tops medium, dark green tinged with red.			
<b>EARLY BLOOD TURNIP</b> .....	Tops and roots somewhat coarse. For home and market gardeners. Flesh dark red with lighter zones. Turnip shaped.	2 1/2"	65
<b>EARLY CAN-RED</b> .....	A variety of high esteem. Becoming very popular with home gardeners. Flesh deep dark red of excellent quality and very tender. Roots semi-globular with small tap root and green erect tops.	2 1/2"	56
<b>EARLY WONDER</b> .....	A much used variety. Flesh purplish-red with lighter zoning. Root is flattened globe shaped with small tap root.	2 1/2"	58

F—Recommended for Quick Freezing Lockers.



*Early Can-Red*

**BEET—Continued**

**Swiss Chard (Cut and Come Again Greens)**

		Diam- eter	Days to Maturity
<b>LUCULLUS</b> .....	F A bottomless beet, tops used for their excellent quality as greens. The dark green leaf may be cooked as spinach. The white stalks may also be prepared like asparagus. Very productive. Makes fine chicken greens.	.....	55

**Mangel Wurzel or Stock Beets**

		Diam- eter	Root Length	Days to Maturity
<b>GIANT HALF SUGAR ROSE</b> .....	Valuable stock feeding variety. Flesh white, has rose colored shoulder, with white skinned lower portion. Roots oval, long and tapered. Rich in sugar content.	5"	16"	90

<b>GOLDEN TANKARD</b> .....	Flesh yellow with white zones. Color is light gray above ground and dark orange below. Roots thick, oval, large and sweet. Very productive.	4½"	8"	102
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<b>MAMMOTH LONG RED</b> .....	Largest and most productive of the mangels. Flesh is white tinged with rose. Grows half above ground, roots well formed and uniformly straight. Sometimes grows to 30 inches in length and weighs as much as 30 pounds.	5"	24"	110
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**Sugar Beets**

<b>KLEIN'S WANZLEBEN</b> .....	Valuable for the manufacturing of sugar because of its high sugar content. Also used for stock feeding. Flesh white, skin grayish white. Roots medium large and tapered. Good keeper.	4"	13"	90
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F—Recommended for Quick Freezing Lockers.

## BROCCOLI

		Diameter	Root Length	Days to Maturity
ITALIAN GREEN SPROUTING—Calabrese .....	.....	.....	.....	60
F Tall branching plant, forms a compact head resembling cauliflower. When main head is removed many small heads continue to develop. Heads large, bluish green and tender. Has combined flavor of asparagus and cauliflower. May be cooked like spinach or Brussels sprouts.				

## BRUSSELS SPROUTS

DWARF IMPROVED .....	1 1/2"	....	70
F Plants 20 inches tall with stem covered with small cabbage-like balls 1 to 2 inches in diameter.			

## CABBAGE

Days to Maturity From Setting of Plants.

		Diameter of Heads	Lb. Wt.	Days to Maturity
COPENHAGEN MARKET .....	6 1/2"	3 1/2 lbs.	70	
A dependable early and uniform variety. Valuable for early kraut and a good shipper. Plants small and compact, short stem, with firm round head. Interior white and excellent quality.				
DANISH BALL HEAD (Hollander).....	8 1/2"	7 lbs.	105	
A most popular variety for quality kraut. A late variety and a good keeper. Plants are medium large with short stem. Heads large, round, slightly flattened and firm, tender, crisp, and of good flavor.				
EARLY FLAT DUTCH.....	7 1/2"	4 1/2 lbs.	70	
A popular type for home and market gardeners. Plants small, short stem, and hardy. Heads nearly round, firm, fine grained and of good flavor.				
EARLY JERSEY WAKEFIELD .....	5"	2 1/2 lbs.	63	
A popular extra early variety. Plants small with short stems, allowing close planting. Heads conical, firm, about 7 inches long.				
GOLDEN ACRE .....	6 1/2"	3 lbs.	65	
A most valuable early variety for market, shipping, and for the making of kraut. Plants are compact, small, short stemmed, with heads firm and uniformly round. White interior and excellent quality.				
GLOBE IMPROVED .....	8"	6 lbs.	77	
Yellows resistant. A good variety of the larger head types. Heads are round, solid and large; of excellent quality.				
LARGE LATE DRUMHEAD .....	11"	11 lbs.	105	
Medium large plants with spreading large green leaves. Heads flat, large and solid.				
MAMMOTH RED ROCK .....	7"	7 lbs.	100	
Most popular of the red cabbage. Heads round and very firm, purplish-red in color and an excellent keeper.				
MARION MARKET .....	6 1/2"	4 1/2 lbs.	75	
Yellows resistant. Developed from Copenhagen Market. Plants short stemmed, small and compact. Heads round and firm. Excellent for kraut or market.				

F—Recommended for Quick Freezing Lockers.

**CABBAGE—Continued**

	Diameter	Lb. Wt.	Days to Maturity
<b>PREMIUM LATE FLAT DUTCH</b> .....	12"	12 lbs.	100
A popular late variety. Also a heavy yielder. Desirable for shipping, home or market gardeners. Head flat, very large, solid and of good quality,			
<b>SUREHEAD</b> .....	11"	10 $\frac{1}{2}$ lbs.	95
Of the Flat Dutch types and a dependable variety, with a medium length stem. Heads large, round, flattened and good winter keepers.			
<b>WISCONSIN ALL SEASON</b> .....	10"	9 lbs.	95
Yellows resistant. A hardy variety which also shows resistance to drouth and mosaic. Valuable as a keeper and for kraut. Heads are nearly round, large, and very firm.			

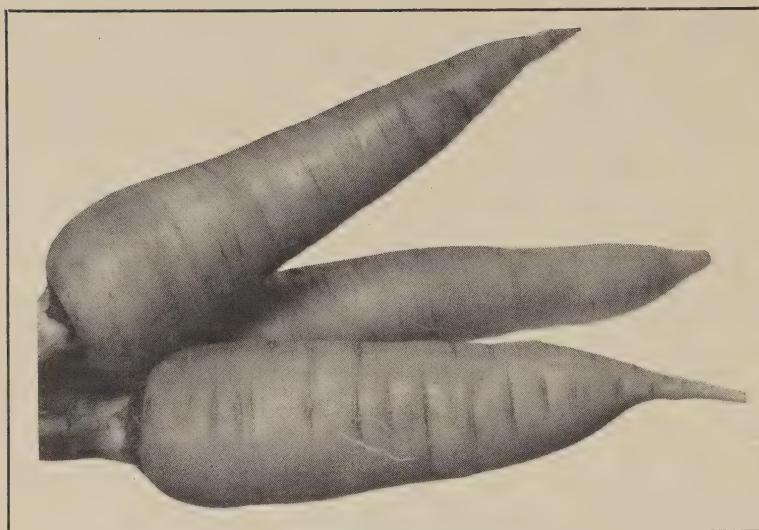
**Chinese Cabbage or Celery Cabbage**

<b>CHIHILI (Improved Pekin)</b> .....	3 $\frac{1}{2}$ "	....	75
The most dependable for home gardens as well as popular. Sure-heading, firm and well blanched white heads. Grows 18 to 20-inch length heads. Very crisp, tender and sweet.			

**CARROT**

	Diameter	Root Length	Days to Maturity
<b>CHANTENAY</b> .....	2 $\frac{1}{4}$ "	5 $\frac{1}{2}$ "	72
A popular much used variety for home and market gardeners. A good cropper. Roots are tapered, stump-rooted and smooth, orange flesh with indistinct core.			
<b>DANVERS HALF LONG</b> .....	2"	6 $\frac{1}{2}$ "	75
Productive and popular for shipping, home and market gardeners. Roots uniformly taper to blunt end. Flesh bright orange, crisp and tender.			
<b>IMPERATOR</b> .....	2"	8"	77
An outstanding variety of the long types. Long and smooth, popular for bunching. Root is cylindrical and usually well stumped. Flesh is bright orange extending through to center, fine grained, tender and of splendid quality.			
<b>LONG ORANGE, IMPROVED</b> .....	2 $\frac{1}{4}$ "	10"	88
A good cropper and table variety. Roots red-orange and taper to a point. Core of lighter shade. Used also for stock.			
<b>MORSE BUNCHING</b> .....	1 $\frac{1}{2}$ "	8"	72
An excellent bunching and shipping carrot. Strong medium short tops. Roots almost cylindrical, rounded shoulders and well stumped.			
<b>NANTES IMPROVED CORELESS</b> .....	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	70
<b>F</b> Excellent for the home and market gardeners. Small tops which bunch well. Roots cylindrical, blunt end, and are a bright orange. Core is inconspicuous, flesh is bright orange, tender, crisp and of sweet flavor.			
<b>OXHEART (Guerande)</b> .....	2 $\frac{1}{2}$ "	5"	72
A good keeper and produces well in heavy soils. Is very easy to harvest. Roots heart-shaped, scarlet-orange, and sweet. Excellent to slice in strips, chill and eat raw. Also valuable in feeding stock.			

**F**—Recommended for Quick Freezing Lockers.



Danvers Half Long

**CARROT—Continued****TOUCHON** .....

**F** Very much like Nantes, but slightly longer. Splendid buncher with small, short, strong tops. Roots deep orange, cylindrical and stump-rooted. Tender, sweet flesh with very small, inconspicuous core of bright orange.

	Diameter	Root Length	Days to Maturity
TOUCHON	1½"	7"	70

**CAULIFLOWER**

## Days to Maturity From Setting of Plants.

**DANISH DRY WEATHER** .....

A most dependable variety. Stands up better than other varieties in adverse dry weather. Heads creamy white and of excellent quality.

DANISH DRY WEATHER	7"	68
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**EARLY SNOWBALL** .....

**F** The most popular and best of the early varieties. Adaptable to greenhouse forcing, as well as for the home gardens. Heads are solid and firm, excellent quality and pure white. A dependable header and a good keeper.

EARLY SNOWBALL	6½"	55
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**CELERY**

## Days to Maturity From Setting of Plants.

**GIANT PASCAL** .....

Large, long stalks, green leaves; blanches yellowish-white. Excellent flavor and a good keeper.

GIANT PASCAL	Length of Stalk 24"	Days to Maturity 135
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**GOLDEN SELF BLANCHING** .....

Makes quicker than the original strain, and taller. Blanches readily to deep yellow. Splendid quality, crisp and fiberless.

GOLDEN SELF BLANCHING	18"	120
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**WHITE PLUME** .....

Early, blanches readily to pure white. Solid, crisp and of excellent quality. Not recommended as a keeper.

WHITE PLUME	18"	110
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**WINTER QUEEN** .....

Medium dwarf, thick, heavy variety with more heart. Blanches well to creamy white. Sweet and crisp.

WINTER QUEEN	22"	130
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**F**—Recommended for Quick Freezing Lockers.

## CELERIAC

Days to Maturity From Setting of Plants.

	Diameter	Length of Stalk	Days to Maturity
<b>LARGE SMOOTH PRAGUE</b> .....	3"	12"	125

Turnip-rooted celery. The root is used for its celery flavor in soup, stews or salads. Also may be boiled as parsnip.

## COLLARDS

<b>TRUE GEORGIA</b> .....	.....	.....	80
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<b>F</b> Grown for greens. A non-heading form of cabbage. It grows about 2 or 3 feet with large, vigorous leaves, forming at the top a loose cluster or head of tender leaves.	.....	.....	.....
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## SWEET CORN

### Hybrids

	Length of Ears	Number of Rows	Days to Maturity
<b>BLEND OF HYBRIDS—Yellow</b> .....	7"	.....	75-88

Four uniformly blended hybrids, all of excellent quality. Not only will it give the increased yields characteristic of all hybrids, but will make roasting ears over a much longer time. Becoming very popular in home gardens.

<b>EARLIEST OF ALL—Yellow</b> .....	7"	8-10	60
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<b>F</b> The earliest of the season. May also be planted a week before ordinary corn. It is of excellent quality and ears fill well to the tip. Very desirable for both home and market gardeners. Stalks 5 to 6 feet tall.	.....	.....	.....
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<b>EVERGREEN HYBRID—White</b> .....	8"	16-18	92
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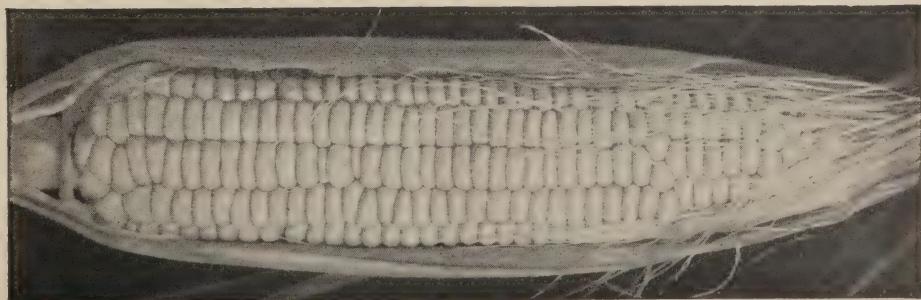
<b>F</b> The most popular of white hybrids. Sturdy stalks growing about 8 feet tall. Ears uniform and of excellent quality.	.....	.....	.....
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<b>GOLDEN CROSS BANTAM—Yellow</b> .....	8"	10-14	85
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<b>F</b> Very popular for home and market gardeners. Uniform sturdy stalks, ears are of good quality and ripen uniformly. Also highly resistant to disease-wilt. Stalks grow 6 feet tall.	.....	.....	.....
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<b>MARCROSS "39"—Yellow</b> .....	7"	12-14	75
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An early and wilt resistant variety. Ears are well up on the stalk, and have large, sweet kernels. Stalks grow from 5 to 6 feet. Popular with both home and market gardeners.



*Earliest of All Hybrid*

**F**—Recommended for Quick Freezing Lockers.

## SWEET CORN—Continued

		Length of Ears	Number of Rows	Days to Maturity
<b>Open-Pollinated</b>				
<b>ADAMS, EXTRA EARLY</b> —White .....		5"	12	75
	Reasonably sweet and tender while young. Husks are tight fitting. Stalks grow about 5 feet. Widely used in the South.			
<b>ALL WEATHER EVERGREEN</b> —White .....		7"	8-10	82
	Bred to be more resistant to dry weather. Developed in Central Western Kansas. Deep rooted sturdy stalks with ears producing exceptionally sweet, tender kernels. It is becoming very popular; excellent for canning or drying as well as for roasting ears. Stalks 6 feet tall.			
<b>COUNTRY GENTLEMAN</b> —Yellow. ( <i>Golden Colonel</i> ) .....		7"	....	93
<b>F</b> Exceptionally tender, sweet and narrow kernels with no row formation on the ear. Strong stalks often bearing two luscious ears. Stalks grow about 7 feet tall.				
<b>COUNTRY GENTLEMAN</b> —White. ( <i>Shoe Peg</i> ) .....		7"	....	95
<b>F</b> An old time favorite. Stalks grow 7 feet tall, sturdy, and often with two ears. Kernels are deep and narrow without row formation; also very sweet and tender.				
<b>EARLY EVERGREEN</b> —White .....		7½"	14-20	85
	Developed from Stowell's Evergreen. Valuable for canning and market. Has deep, tender, sweet kernels that remain tender and fresh remarkably long. Stalks grow about 7 feet tall.			
<b>EARLY MINNESOTA</b> —White .....		7"	12-14	85
	A prolific and productive variety. An old time favorite. Kernels are plump and of good quality. Stalks grow 6 feet tall.			
<b>GOLDEN BANTAM</b> —Yellow .....		6"	10-12	80
<b>F</b> The most popular of the early yellow varieties. For quality it's exceptionally good and has a small cob. Stalks grow 5 to 6 feet tall and often bear two well formed ears.				
<b>GOLDEN GIANT</b> —Yellow .....		7"	12-16	85
	Developed from a cross between Golden Bantam and Howling Mob. A very desirable variety of good quality. Stalks growing 6 feet tall.			
<b>GOLDEN SUNSHINE</b> —Yellow .....		6½"	10-12	75
<b>F</b> Desirable for the early market. Stalks grow about 5 feet tall and often bear two ears. Kernels sweet and tender.				
<b>HOWLING MOB</b> —White .....		7"	12-16	85
	A vigorous and heavy producer. Exceptionally good for market gardeners and truckers. Kernels are of very good, sweet flavor and make good drying corn. Stalks grow 6 to 7 feet tall.			
<b>STOWELL'S EVERGREEN</b> —White .....		8"	16-20	95
<b>F</b> A variety much preferred by both home and market gardeners. Kernels are deep, sweet, white and tender. Also remains fresh and tender considerably long after gathering. Stalks grow 8 to 9 feet tall.				
<b>TRUCKERS FAVORITE</b> —White .....		9"	12-16	80
	Fair quality roasting ears. Extensively used in the South. Similar to Extra Early Adams, but has larger ears and stalk grows about 7½ feet tall.			

F—Recommended for Quick Freezing Lockers.

**SWEET CORN—Continued**

	Length of Ears	Number of Rows	Days to Maturity
<b>WHIPPLES EARLY YELLOW</b> .....	7½"	12-14	85
A variety of much merit. Popular in both home and market gardens. Kernels are medium deep, sweet and of excellent flavor. Stalks are sturdy and erect, grow about 7 feet tall. Ears fill well to tip and have strong husks.			

	Length	Diam- eter	Days to Maturity
<b>WHITE BLEND—White</b> .....	7½"	10-20	85-100
Popular for roasting ears. Good quality, tender and sweet. In sections where intermittent hot winds burn the pollen, White Blend gives pollen over a period of about 14 days.			

**CUCUMBER**

	Length	Diam- eter	Days to Maturity
<b>BLACK DIAMOND (White Spine)</b> .....	8"	3"	60
Very desirable, of the earliest. Also popular for market use. Extremely dark green in color, which it keeps until well matured. Has rounded ends. Stem end is slightly tapered. Good quality and highly productive. Weight 1½ pounds.			
<b>BOSTON PICKLE (Black Spine)</b> .....	6"	2½"	58
Principally used for pickles. Uniform shape with blocky ends. Matured fruits show trace of netting. Early and productive. One of the largest pickling types. Weight 1½ pounds.			
<b>CHICAGO PICKLING (Black Spine)</b> .....	6½"	2½"	60
Very prolific, fruits taper very slightly at each end. Medium green, warted and ribbed at small pickling size. Largest of the pickling sorts. Weight 1½ pounds.			
<b>DAVIS PERFECT (White Spine)</b> .....	9"	2½"	62
Long, smooth with tapering ends. Dark green, and of good quality. Flesh crisp and a good slicer. Weight 2 pounds.			
<b>EARLY CLUSTER (Black Spine)</b> .....	5¾"	2½"	55
An early, prolific variety. Fruits small, grow in clusters and of uniform size. Most popular of the pickling sorts. Weight 1¼ pounds.			
<b>EARLY FORTUNE (White Spine)</b> .....	8"	2½"	64
A good shipper which keeps its good slicing qualities longer than most early white spine types. Fruits taper slightly at ends and are dark green with firm, crisp flesh. Weight 2 pounds.			

*Improved Long Green*

**CUCUMBER—Continued**

	Length	Diameter	Days to Maturity
<b>EVERBEARING (Black Spine)</b> .....	4 1/2"	2"	53
Very prolific, early and a heavy bearing variety. Fruits small and chunky, but uniform. Good small pickling sort. Keep well picked for heavier bearing. Weight about 1 pound.			
<b>GHERKIN, WEST INDIA</b> .....	2"	1"	60
Used when young for small pickles and relishes. Fruits pale green, uniform and covered with prickly spines. Vigorous, hardy vines which bear heavily. Fruits weight 2 ounces.			
<b>IMPROVED LONG GREEN (Black Spine)</b> .....	12"	3"	68
A favorite for the home gardeners. Fruits dark green, long, warty, and slightly tapered. Flesh white and crisp. A good producer, hardy and prolific. Weighs 3 to 3 1/2 pounds.			
<b>IMPROVED WHITE SPINE (White Spine)</b> .....	8"	2 1/2"	60
A good all-purpose cucumber for the home use. It is adapted to both pickling and slicing. Vigorous and productive. Weight 2 pounds.			
<b>NATIONAL PICKLE (Black Spine)</b> .....	6"	2 1/2"	56
An exceptionally good pickling type. Developed for the National Pickle Packers' Association, and is early, uniform, and productive. Flesh is thick, thus preventing splitting in the center as well as hollow sides in the pickles. Small fruit is short and thick, the larger sizes are smooth and cylindrical with end well rounded. Weight 1 1/2 pounds.			
<b>STAYS GREEN (White Spine)</b> .....	7"	2 1/2"	60
A variety liked by both home gardeners and shippers. Fruits are symmetrical with ends nearly square. Dark green; holds color and firmness well. Weight 1 1/2 pounds.			
<b>STRAIGHT EIGHT</b> .....	8"	2"	65
Like its name, it is a long, straight, slender cucumber, and slightly tapered at each end. When at the best edible stage it is about 8 inches in length. Fruits are smooth and of very good quality. Weight 2 pounds.			

**DILL**

	Plant Height	Days to Maturity
<b>LONG ISLAND MAMMOTH</b> .....	2'	....
The young green stems are used in flavoring sauces and soups. Dried branches and seeds are used in the flavoring of dill pickles.		70

**EGGPLANT**

	Days to Maturity From Setting of Plants.	Plant Height	Days to Maturity
<b>BLACK BEAUTY</b> .....	26"	....	81
F An early, medium sized, prolific plant, bearing four to six smooth, dark purple, large globe to oval shaped fruits.			
<b>NEW YORK IMPROVED SPINELESS</b> .....	30"	....	83
F Most popular standard variety for home and market gardeners. Plant is spreading, bears four to five black-purple, smooth fruits, slightly larger than Black Beauty.			

F—Recommended for Quick Freezing Lockers.

**ENDIVE**

	Plant Height	Plant Spread	Days to Maturity
<b>BATAVIAN BROAD LEAVED (Escarolle) . . . . .</b>	4"	16"	90
Leaves twisted, broad, and toothed edged. Plants spread about 16 inches in diameter with thick ribs which form compact heart, and blanch creamy white.			
<b>GREEN CURLED . . . . .</b>		16-18"	95
Leaves tufty, forming full center. Mid-rib 1-inch broad, fleshy, thick and tender, blanches readily. Plants spread 16 to 18 inches and flat. Good fall variety.			
<b>WHITE CURLED . . . . .</b>		12"	100
Small plant 12 to 13 inches in diameter. Leaf pale green with yellow mid-rib and of fine flavor.			

**KALE or BORECOLE**

<b>DWARF GREEN CURLED SCOTCH . . . . .</b>	14"	30"	55
Hardy, compact plants with wide spread. Large plume-like, fine curled, yellowish-green, deep leaves.			
<b>TALL GREEN CURLED SCOTCH . . . . .</b>	30"	....	60
Very hardy upright plant with light green leaves, edges curled and deeply cut.			

**KOHLRABI**

	Diameter	Days to Maturity
<b>EARLY PURPLE VIENNA . . . . .</b>	2 1/2"	60
Bulbs purple with tender, white flesh, globular in shape. Dwarf growing, leaves green and sprouting from whole upper half and top of bulb.		
<b>EARLY WHITE VIENNA . . . . .</b>	2 1/2"	55
The most popular. Very tender and crisp. Excellent for home and market gardener. Bulbs globular in shape, greenish-white with clear white flesh. Leaves 8 to 10 inches, sprouting from upper half and top of bulb.		

**LEEK**

<b>LARGE AMERICAN FLAG . . . . .</b>	2"	100
Early, with stems 2 inches thick and 10 inches long. White, and of mild flavor. Blanches well. Used in flavoring.		

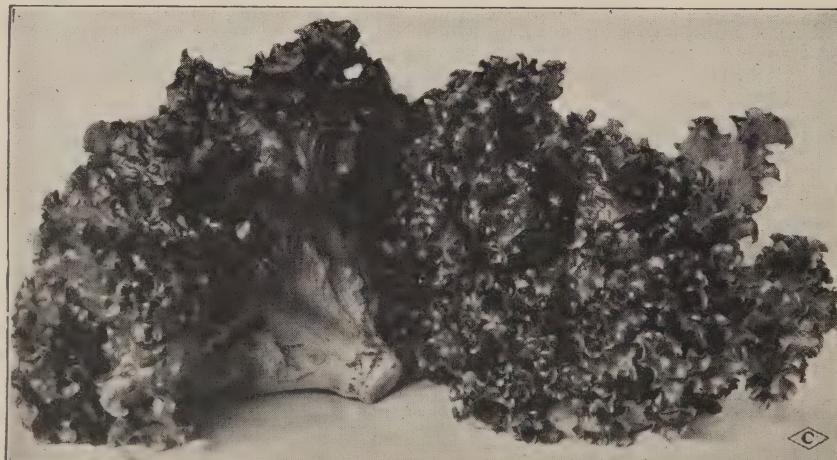
**LETTUCE**

**Heading Varieties**

<b>BIG BOSTON (Trocadero)—White Seed . . . . .</b>		76
Medium large, globular shaped head. Outer leaves smooth, light green with slight tinge of brown on edges. Inner leaves form a firm head, are butter-yellow at the heart and are of excellent quality.		
<b>COSBERG—White Seed . . . . .</b>		76
Small compact head. An excellent home garden variety. Has ability to head in summer heat and resist tipburn. Outer leaves moderately blistered and crumpled, pale green, and fringed at edges. Inner leaves almost white, well folded. Of good texture and flavor.		

## LETTUCE—Heading Varieties—Continued

	Diam- eter	Days to Maturity
<b>DENVER MARKET (Ohio Cabbage)—White Seed.....</b>		78
Medium sized conical heads. Leaves crumpled, savoyed and light green, forming crisp heads of good quality.		
<b>HANSON (Nonpareil)—White Seed .....</b>		82
Very hardy with large globular head. A favorite with home and market gardeners. Leaves yellowish-green, broad, curly and large, forming large solid heads of tender and sweet quality. Sure heading.		
<b>ICEBERG—White Seed .....</b>		84
Resistant to heat. Large, compact heads. Leaves light green, fringed and wavy with tinged reddish-brown edges; forms solid, crisp and sweet heads with white interior.		
<b>MIGNONETTE (Tom Thumb)—Black Seed.....</b>		66
Small, compact, round heads of good quality. Leaves medium-brown with greenish tinge, blanching to a white firm head.		
<b>NEW YORK (Wonderful), (Los Angeles)—White Seed.....</b>		81
Good for market and shipping. Large heading. Has dark green leaves slightly curled at edges, heads are well blanched, tender, sweet and of excellent quality.		
<b>NEW YORK No. 12—White Seeded.....</b>		77
Developed from New York type. Stands heat well and several days earlier. Much preferred by market gardeners. Leaves lighter green than New York and heads have fewer outer leaves. Has large, uniform, compact heads of good quality.		
<b>WHITE PARIS COS (Celery Lettuce)—White Seed.....</b>		66
An upright growing sort with large, medium green, erect, smooth, self-folding concave leaves. Forms solid, compact heads 8 to 9 inches tall. Greenish-white interior, hard and crisp in texture, but very sweet. Excellent in quality.		



Grand Rapids

**LETTUCE—Continued**

**Loose-Leaved Varieties**

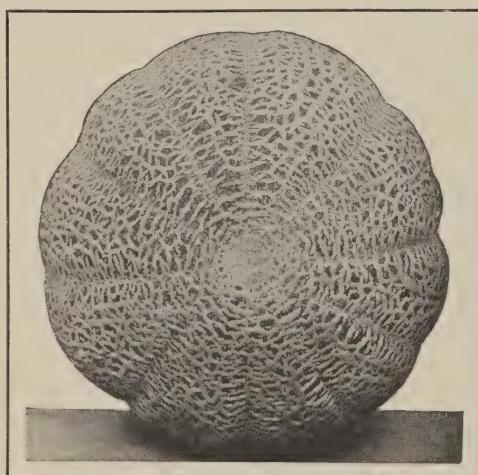
		Diam- eter	Days to Maturity
<b>BLACK SEEDED SIMPSON</b> —Black Seed.....	.....	.....	45
Most commonly grown leaf lettuce by both home and market gardeners. Large plant with compact, broad, light green leaves crumpled at the edges. Crisp and tender.			
<b>CHICKEN LETTUCE</b> —White Seed .....	.....	.....	45
Very hardy and rapid growing. Tall and produces an abundance of leaves over a long period. Excellent for poultry and rabbit feed.			
<b>EARLY CURLLED SIMPSON</b> —White Seed.....	.....	.....	45
Dependable and hardy. Excellent for home gardens. Loose, large, light green leaves forming a compact bunch in the center. Edge of leaf is less crumpled than Black Seeded Simpson. Leaves firm, crisp and sweet.			
<b>GRAND RAPIDS</b> —Black Seed .....	.....	.....	42
Hardy, very early and disease resistant. When grown under glass is very tender and sweet. Excellent for greenhouse forcing, as well as for home gardens. Leaves light green, broad, wavy and fringed. Growing erect and compact.			
<b>PRIZEHEAD</b> —White Seed .....	.....	.....	47
Loose leaved, white inner leaves are green, the outside leaves become reddish-brown margined. Popular in home gardens, very crisp, tender and sweet.			

**MUSKMELON**

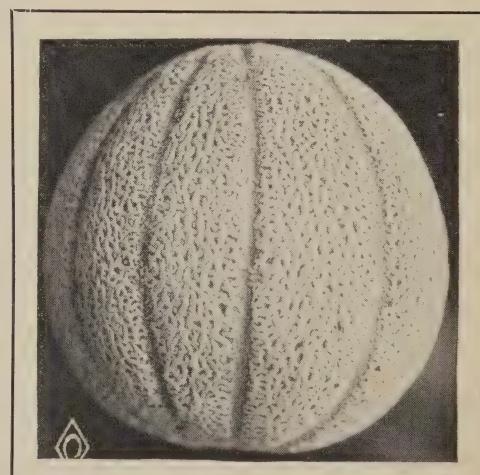
		Length	Diam- eter	Days to Maturity
<b>BANANA</b> —Salmon Fleshed .....	.....	14"	4"	98
Fruits are long, slender and smooth, tapering at ends. Lemon colored and weighs about 6 pounds. Tastes somewhat like a banana as well as resembling a huge banana. Has a delicious flavor of its own.				
<b>BURRELL'S GEM (Defender) (Ordway Pink Meat)</b> .....	.....	6"	4½"	92
Oblong fruits, weigh 3 pounds. Has distinct ribs with medium netting, dark green in color until maturity. Flesh firm, thick and of excellent quality.				
<b>EARLY HACKENSACK</b> —Green Flesh .....	.....	5½"	6½"	80
Small, round, flattened fruits weighing about 3 pounds, distinct ribs with coarse netting. Flesh thick and of good quality.				
<b>EMERALD GEM</b> —Salmon Flesh .....	.....	4½"	5½"	85
Flattened globe shaped fruits, weight about 3 pounds. Distinctly ribbed with slight netting. Outer color emerald green turning yellowish at maturity. Flesh very thick, sweet and of spicy flavor.				
<b>GREELEY WONDER</b> —Salmon Flesh .....	.....	6¾"	7¾"	90
Large, round, flattened fruits weighing about 5 pounds. Has no coarse stringy flesh so often found in large melons. Well netted with fairly prominent ribs. A home garden favorite of excellent flavor and quality.				
<b>HALES BEST No. 36</b> —Salmon Flesh.....	.....	6"	5½"	85
Nearly round fruits weighing 3 to 4 pounds, uniform in size. Heavy netting with indistinct ribs. Flesh thick, firm, sweet and spicy. Seed cavity small. Excellent for home and market gardens. Good shipper.				

## MUSKMELON—Continued

	Length	Diameter	Days to Maturity
<b>HEARTS OF GOLD (Hoo Doo)—Salmon Flesh.....</b>	5½"	5½"	95
Round fruits weighing about 3 pounds. Deep green covered with fine gray netting except over prominent rib marks. Flesh juicy, sweet and with rich aromatic flavor, fine grained and thick.			
<b>HONEY DEW—Green Flesh .....</b>	7½"	7"	112
Large, globular fruits weighing about 6 pounds. An excellent keeper. Rind is smooth, hard and white with very little net. Ripens to a light cream color. Good shipper. Flesh is tender, juicy and sweet with a flavor of its own, ripening well to the rind.			
<b>HONEY ROCK (Sugar Rock)—Salmon Flesh.....</b>	6"	5½"	85
Round to slightly flattened fruits. Weigh 3 to 4 pounds. Coarse, sparse netting over gray-green skin. Medium thick flesh, juicy and sweet. Has a very strong rind.			
<b>LARGE HACKENSACK—Green Flesh .....</b>	6"	9"	90
Large, round, flat fruit weighing about 7 pounds. Ribbed and heavy netted. Flesh thick, sweet and spicy.			
<b>MONTREAL MARKET—Green Flesh .....</b>	7½"	8½"	93
Fruit flattened at ends, large and globular. Normally weighs 6 to 8 pounds, but sometimes grow to 12 pounds or more. Deep ribbed and heavy netted. Flesh thick, juicy and sweet.			
<b>OSAGE (Miller's Cream)—Salmon Flesh.....</b>	7"	6"	95
Oval fruits weighing about 5 pounds. Thin, deep ribbed, dark green skin covered with slight gray netting. Flesh quite thick, sweet, juicy and of spicy flavor.			
<b>POLLOCK 10-25—Salmon Flesh .....</b>	5½"	5"	95
Nearly round fruits weighing about 2½ pounds. Identical to Rocky Ford except it has salmon tinted flesh. Vines are rust resistant. Fruits are uniform, heavily netted with no trace of ribs. Flesh thick, sweet and spicy.			



Rocky Ford Perfecto



Hearts of Gold

## MUSKMELON—Continued

		Length	Diam- eter	Days to Maturity
<b>ROCKY FORD (Netted Gem)—Green Flesh</b>	.....	5½"	5"	95
Nearly round fruits weighing 2½ pounds. Seed cavity rather large. Heavily covered with gray netting and faintly ribbed. Flesh green with a gold tinge at center, thick, very juicy, spicy and very tasty.				
<b>ROCKY FORD PERFECTO—Salmon Flesh</b>	.....	5½"	5"	92
Nearly round fruits weighing 2½ pounds. Has small seed cavity. Fruits without ribs but heavily covered with gray netting. Flesh very thick, fine grained, juicy and sweet. Its flavor equal to the best. Rust resistant and a heavy yielder.				
<b>SHUMWAY'S GIANT—Orange Flesh</b>	.....	8½"	9½"	94
A very large, round, slightly flattened muskmelon weighing 10 pounds and sometimes even much larger. Has a fine netting and deeply ribbed, green skin turning to a lemon color when ripe. Seeds are large.				

## MUSTARD

<b>FLORIDA BROAD LEAF</b>	.....	.....	.....	40
Large and upright in growth. Leaves dark green, large, broad, oval-shaped, smooth and thick with toothed edges and light green midribs. Seeds reddish-brown.				
<b>MUSTARD-SPINACH—Tendergreen</b>	.....	.....	.....	40
Rapid growing. Resistant to heat and drought. Combines both mustard and spinach flavors. Leaves dark green with lighter green ribs, thick, fairly smooth and oblong. Slow in producing seed stalks.				
<b>OSTRICH PLUME—(Fordhook Fancy)</b>	.....	.....	.....	40
A popular upright variety. Leaves plume-like, bright green, crumpled and fringed on the edges. Mild flavor, excellent for greens or salads. Seed stalks bolt very slowly. Seeds reddish-brown.				
<b>SOUTHERN GIANT CURLED</b>	.....	.....	.....	38
Most used and liked of the mustards. Plant is upright in growth although leaves are slightly spreading. Leaves are large, bright green, slightly tinged with yellow, crumpled and curled on the edges. Slow to seed. Seeds reddish-brown.				

## OKRA—GUMBO

		Height of Plant	Length of Pods	Days to Maturity
<b>DWARF GREEN</b>	.....	3'	7"	55
Prolific, dwarf and early. Pods dark green, 1½ inch in diameter, pointed at tip end, tender and meaty.				
<b>PERKINS MAMMOTH GREEN POD</b>	.....	5'	7"	60
Stalks tall and productive. Pods are dark green, ribbed, pointed, fleshy and tender. Diameter 1½ inches.				
<b>WHITE VELVET</b>	.....	4'	6"	62
Prolific plant with creamy white pods slightly curved and pointed. Pods are round without ribs, smooth, tender and meaty. Diameter about 1 inch.				

## ONIONS

		Diam- eter	Flat or Round	Days to Maturity
<b>CRYSTAL WHITE WAX</b>	.....	3½"	F	95
Of the Bermuda type, sometimes called White Bermuda. Bulbs flat with mild, sweet flavor. Medium size, growing larger in the South than in the North. Skin white, flesh waxy white. Grown in southern states as early shippers.				

**ONIONS—Continued**

	Diam- eter	Flat or Round	Days to Maturity
<b>PRIZETAKER (Denia)</b> .....	4"	R	105
Of the Sweet Spanish type, derived from the huge Spanish onion. Bulbs very large, globe shaped with thin straw colored skin. Flesh pure white, solid and mild.			
<b>RED WETHERSFIELD</b> .....	2 1/2"	F	108
Bulbs medium large in size with dark purplish-red skin. A late variety, good keepers, desirable for sets. Flesh is firm, white with a tint of pink, and strong. Flat bulbs sloping at top.			
<b>SOUTHPORT RED GLOBE</b> .....	3"	R	115
Bulbs are round and of good size with glossy dark red skin. Flesh is white with tint of pink and of strong flavor. A good variety and a good keeper.			
<b>SOUTHPORT WHITE GLOBE</b> .....	3"	R	113
A favorite of the white varieties. Bulbs round, medium size, solid and with thin clear white skins. Flesh mild, fine grained and waxy white. A good keeper.			
<b>WHITE PORTUGAL (Silverskin)</b> .....	3"	F	100
One of the best all-purpose white onions, grown for sets, green bunching and pickling onions; also the large bulbs store well and are good keepers. Bulbs are flattened, medium sized with white skin. Flesh is firm and fine grained, white and of good flavor.			
<b>WHITE SWEET SPANISH</b> .....	4 1/2"	R	110
Largest of the white types. Bulbs are globular with small neck, and skin pure white. Flesh is mild and of good flavor, firm and clear white. A fair keeper.			
<b>YELLOW BERMUDA (White Bermuda)</b> .....	3 1/2"	F	95
The true Bermuda. It is white when the thin, light straw colored skin is removed. Known both as white and yellow Bermuda. Bulbs are flat and of medium size. Flesh pure white, sweet, and mild. Very early and grown in the South for northern market.			
<b>YELLOW GLOBE DANVERS</b> .....	2 1/2"	R	110
Most popular of the yellow types. Desirable for home and market gardens, also sets. A very good winter keeper. Bulbs are medium sized, globular shaped with light golden brown skin. Flesh is firm, white with a tint of yellow. A little strong, but good flavor.			
<b>YELLOW SWEET SPANISH (Riverside) (Valencia)</b> .....	4 1/2"	R	108
Extra large and becoming increasingly more popular. Desirable for fall storage and shipping. Bulbs very large and globular shaped with golden yellow skin. Flesh is white, mild and with a pleasing flavor.			

**PARSLEY**

	Diam- eter	Root Length	Days to Maturity
<b>DOUBLE CURLED</b> .....	.....	.....	70
Dwarf in growth with rich, deep green, finely curled leaves. Used for garnishing and flavoring.			
<b>HAMBURG (Thick Rooted)</b> .....	2"	8"	90
Grown mainly for its edible roots, which are thick and fleshy. Very desirable for flavoring soups, stews, etc. Roots look very much like the parsnip in shape and color. Leaves are plain, deeply cut, green tinged with purple, tough and coarse.			

**PARSLEY—Continued**

		Diam- eter	Root Length	Days to Maturity
<b>MOSS CURLED (Triple Curled)</b>	.....			72
The most popular of the parsley. The plant is compact with finely cut, curled, dark green leaves resembling a bunch of moss. Excellent for garnishing.				

<b>PLAIN OR SINGLE</b>	.....			70
Leaves dark green, flat, deeply cut but not curled. Not so attractive as a garnish. Used for its rich flavor in soups, stews, etc.				

**PARSNIP**

<b>HOLLOW CROWN (Guernsey)</b>	.....	3"	12"	100
Has a broad shoulder tapering gradually to end. Skin is light in color and comparatively smooth. Flesh is fine grained, sweet and tender.				

**PEANUTS**

<b>JUMBO</b>	.....			120
Plant grows into compact bush about 18 inches high. A good producer. Large uniform pods having two large kernels in each pod. Plants make valuable fodder for stock.				
<b>SPANISH</b>	.....			100
Early maturing, upright, dwarf growing plants with small pods clustering at their base. Although the pods are small the meats are fairly good sized, sweeter and finer flavored than the large podded sorts. Plants make good stock feed.				

<b>TENNESSEE RED</b>	.....			105
Becoming very popular because of their fine flavor. Plants form a nice compact bush that yield heavily. Pods form at base of plant; they are medium sized and long. Every pod has three or four meats of good quality.				

**PEAS**

**Field or Southern Varieties**

		Height of Plant	Length of Pods	Days to Maturity
<b>BLACK-EYED PEAS</b>	.....	40"	7"	47
Sometimes called beans but generally known as peas. Green peas large and plump. Dried peas reach maturity at about 65 days and shell easily. Good dry keepers. Pods large and long. Plants tall, prolific, strong and good bearers. Seeds white with black spot at eye, shaped like seed beans.				
<b>BROWN (Sugar) CROWDER</b>	.....	28"	7"	45
Used as green shelled peas, edible pods or as dried peas. Plants thick stemmed, branching and dark green, and good producers. Pods light green, plump, round, blunt and fully filled with peas. Seeds are smooth, buff-brown in color.				

**Smooth-Seeded Varieties**

<b>ALASKA (Early June)</b>	.....	28"	2 1/2"	55
Most popular of the earliest varieties. Yields heavily and has fair sized pods. Also resistant to Fusarium wilt. A good canner and for the early market. Plant light green. Pods single, plump and blunt ended, light green and contain six to eight peas. Seeds small, round and bluish-green.				

## PEAS—Continued

	Height of Plant	Length of Pods	Days to Maturity
<b>AMEER (Bountiful) (Claudit) (Large Pod Alaska).....</b>	30"	3"	60
Plant light green. Pods single, lightly curved and pointed at end, medium green and contain seven to eight peas of fair quality. Seed slightly wrinkled, medium large and bluish-green.			
<b>DWARF GRAY SUGAR (Edible Pod) .....</b>	28"	3"	65
Plant dark green with medium foliage, prolific, yields heavily, and has purple blossoms. Pods double, light green, curved and pointed. Resistant to Fusarium wilt. Seeds small, round, and gray mottled.			
<b>DWARF WHITE SUGAR (Edible Pod) .....</b>	26"	2 1/2"	65
Plant light green, medium foliage and has white blossoms. Pods form in doubles and singles, light green, straight and pointed. Seeds small, round and white.			
<b>FIRST AND BEST (Extra Early) .....</b>	24"	2 1/2"	54
May be planted very early. Plant is hardy and productive. It is light green and strong. Pods are round, straight, blunt and light green. Seeds are round, small and creamy-white.			
<b>LAXTON'S SUPERB (Early Bird) .....</b>	18"	4"	61
Plant light green and stocky. Pods medium green, large, semi-broad, pointed and of fair quality. Seeds large, green and semi-wrinkled. Seven to nine peas to a pod.			
<b>MAMMOTH MELTING SUGAR (Edible Pod) .....</b>	50"	4"	70
Plant light green, stout and coarse, also resistant to Fusarium wilt. Pods light green, large, broad, curved and blunt ended. They are also meaty, stringless and brittle with seven peas per pod. The best in the edible pod types. Seeds large, round and creamy-white.			
<b>TALL GRAY SUGAR (Edible Pod) .....</b>	42"	2 1/2"	68
Plants are light green, have medium foliage and purple flowers. Pods light green, broad with blunt ends and contain seven peas. Seeds small, round and gray mottled.			



Bowman's Early Giant Pod

## PEAS—Smooth-Seeded Varieties—Continued

		Height of Plant	Length of Pods	Days to Maturity
<b>TOM THUMB</b>	.....	14"	2 1/2"	56
Plant has strong, uniform and vigorous growth. Early and prolific. Pods are round and nearly straight. Seeds are small, round and creamy-white.				

<b>WHITE MARROWFAT</b>	.....	60"	3"	82
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## Wrinkled-Seeded Varieties

<b>ALDERMAN (Dark Podded Telephone)</b>	.....	60"	4 1/2"	72
F	A popular variety for home and market gardeners as well as for shippers. A good yielder and of good quality. Plants dark green and vigorous. Pods dark green, single, large, broad, plump and tapered at tip. Seeds light green, large.			
<b>AMERICAN WONDER</b>	.....	14"	3"	61
An old time favorite with home gardeners. Plants dark green and productive. Pods single and double with six peas in a light green pod. Seed medium sized, squarish and green.				
<b>BOWMAN'S EARLY GIANT POD</b>	.....	16"	4 1/2"	62
F	Becoming a leader of those popular and better known. A good producer of attractive large podded and excellent quality peas. Plants dwarf, medium dark green and prolific. Pods single, dark green, slightly curved and pointed, containing seven to nine fine flavored peas. Seeds cream and green mixed, large and slightly flattened.			
<b>DWARF TELEPHONE (Daisy)</b>	.....	24"	4 1/2"	75
Productive and resistant to Fusarium wilt. Plants light green, stocky and branching. Pods light green, single and double, broad, slightly curved and pointed, containing eight to ten peas of good quality. Seeds large and green.				
<b>EARLY CANDY</b>	.....	26"	3"	55
Hardy, early and productive. One of the earliest. A good canner of excellent quality. Resistant to Fusarium wilt. Plants slender, vigorous and dark green. Pods light green, straight and blunt ended. Seeds small, green.				
<b>EVERBEARING</b>	.....	32"	3"	75
Of vigorous branching growth and long bearing. Plant is dark green, coarse, and resistant to Fusarium wilt. Pods light green, broad, plump and blunt ended, borne in pairs and of marrow texture and flavor, containing four to five peas. Seed large, flattened, green.				
<b>GRADUS (Prosperity)</b>	.....	36"	4"	60
F	A tall, large podded variety with tender, good flavored peas but is very disappointing under adverse conditions. Plants are light green and productive. Pods light green, single, broad, plump, well filled containing eight to ten peas of a sweet, delicious flavor. Seed large, cream and green colored.			
<b>HUNDREDFOLD</b>	.....	20"	4"	64
F	A good variety for home and market gardens. Plants are sturdy and dark green. Pods dark green, fairly broad and pointed with about eight peas of good quality. Seeds large, yellow and green.			

F—Recommended for Quick Freezing Lockers.

## PEAS—Wrinkled-Seeded Varieties—Continued

		Height of Plant	Length of Pods	Days to Maturity
<b>LAXTONIAN (Blue Bantam)</b>		18"	4"	63
F	Dark green plant with pods broad, slightly curved and pointed. Well filled with large, sweet, juicy peas. Seeds large, flattened, yellowish and green colored.			
<b>LAXTON PROGRESS</b>		18"	4 1/4"	63
F	One of the largest of the better quality peas. Popular for both home and market gardens. Dark green plants. Pods dark green, single, broad, a little curved and pointed at end. Seven to eight peas of good quality in each pod. Seed large, green and cream.			
<b>LITTLE MARVEL</b>		18"	3"	62
F	The most favored pea for home gardens. Also desired by market gardeners for early market and shipping. Plants dark green, stocky and productive. Pods dark green, plump, straight and blunt with seven to eight extra good peas. Pods are borne single and double. Seeds squarish, medium green and medium sized.			
<b>NOTTS EXCELSIOR</b>		16"	2 1/2"	60
	Plants dark green and productive. Pods light green, plump, straight and blunt ended. Seeds light green, squarish, medium small.			
<b>PREMIUM GEM (Little Gem)</b>		20"	2 3/4"	64
F	An old favorite among home gardeners. Resistant to Fusarium wilt. Plants productive, medium green with medium growth. Pods light green, single and double, plump, straight, blunt and contain seven to eight good quality peas. Seeds medium size, green.			
<b>STRATEGEM, IMPROVED (Potlach)</b>		30"	4 1/2"	77
F	A splendid variety of the tall types for the home and market gardeners. Resistant to Fusarium wilt. Plants dark green, branching, stout and productive. Pods dark green, single and double, very broad and nearly round, straight, pointed, containing eight to ten well-flavored peas. Seeds large, green.			
<b>THOMAS LAXTON</b>		36"	3 1/2"	60
F	Truly a desirable variety. Excellent for home, market gardens and shipping. Plants dark green, moderately stout, productive and attractive. Pods dark green, single, straight, broad, plump with blunt ends and contains seven or eight large, excellent quality, tender peas. Seeds medium sized, cream and green.			

## PEPPER

	Days to Maturity From Setting of Plants.	Diam. Length at Stem	Days to Maturity
<b>CALIFORNIA WONDER</b>		4 1/2"	4" 75
	Sweet. Very desirable; used extensively by market gardeners and shippers. Plant sturdy, strong, upright, and productive. Fruits mostly four-lobed, large, uniform, smooth, very thick fleshed, sweet and mild-flavored. Deep green turning bright crimson.		
<b>CHINESE GIANT</b>		4 1/2"	4 1/2" 80
	Sweet. Largest of the sweet peppers. Its size and shape make it ideal for stuffing. Plants short and stocky. Fruits mostly four-lobed, roundish at top with squared ends and slightly crumpled. Of good, mild, sweet flavor. Dark green turning bright scarlet red.		

F—Recommended for Quick Freezing Lockers.

**PEPPER—Continued**

		Length	Diam. at Stem	Days to Maturity
<b>GOLDEN QUEEN</b> .....	Sweet. An excellent yellow-skinned pepper. Ideal for colorful salads. Plants vigorous and good yielders. Fruits three-lobed, large, tapered, sweet and mild flavored. Deep green turning golden yellow.	4"	3 1/2"	78
<b>HARRIS' EARLY GIANT</b> .....	Sweet. Early and desirable for northern gardens and the early market. Plants short, upright, vigorous, strong and productive. Fruits three-lobed, large, slightly tapered and of mild flavor. Deep green turning brilliant red.	4 1/2"	3 1/2"	63
<b>HUNGARIAN YELLOW WAX (Banana)</b> .....	Hot. Early, popular for home and market gardens, and a good canner. Plants small, but productive. Fruits thick fleshed, pungent, long smooth and tapered. Only one-lobed. Light waxy-yellow turning bright crimson.	6 1/2"	2"	64
<b>LARGE BELL or BULL NOSE</b> .....	Sweet. Popular in the home garden. Ribs of the fruit are pungent but the balance of the flesh is quite mild. Plants small, upright and productive. Fruits are mostly four-lobed, medium sized and squared. Deep green turning scarlet-red.	3"	2 1/2"	60
<b>LONG RED CAYENNE</b> .....	Hot. Most popular hot variety. Used for drying, pickling and canning. Plants large and productive. Fruits long, tapering to a single point end and often times twisted; deep green turning bright red.	5"	1/2"	70
<b>PIMENTO (Perfection)</b> .....	Sweet. Excellent for canning whole, easily cored. Plants large, erect and productive. Fruits smooth, uniformly heart-shaped, very thick flesh, sweet and mild, dark green turning bright red.	3 1/2"	2 1/2"	72
<b>RED CHILI</b> .....	Hot. Used in making pickles and the making of hot pepper sauce. Plants low, bushy and very productive. Fruits borne erect, small, conical and very hot. Pale green turning deep red.	1 3/4"	1/2"	82
<b>RUBY KING</b> .....	Sweet. Most popular variety for home and market gardeners. Desirable for early markets and shipping. Plants medium sized, vigorous, erect and prolific. Fruits three-lobed, slightly tapered and smooth. Flesh is fairly thick, sweet and mild. Dark green turning bright deep red.	5"	3"	68
<b>WORLD BEATER</b> .....	Sweet. Popular as an early shipper. Plants upright, vigorous and productive. Fruits four-lobed, large, smooth, thick fleshed, very good flavored, sweet and mild. Deep green turning bright red.	5"	3 1/2"	73

**PUMPKIN**

		Length	Diam- eter	Days to Maturity
<b>CONNECTICUT FIELD</b> .....	Weight 15 to 25 pounds. Used for pies, canning and stock feeding. Medium large, round, slightly flattened, somewhat ribbed, with thin orange-yellow, hard, smooth skin. Flesh yellow, coarse, thick and sweet.	12"	14"	118
<b>KENTUCKY FIELD (Large Cheese)</b> .....	Weighs about 15 pounds. A good canning variety and stock feed. Irregular in shape, some very flat, while others are globular or elongated, all slightly ribbed. Skin is dull orange. Flesh thick salmon-yellow, coarse, and of good flavor.	10"	13"	120

**PUMPKIN—Continued**

	Length	Diameter	Days to Maturity
<b>KING OF MAMMOTHS</b> .....	22"	20"	120
Weighs about 60 pounds. Largest of the pumpkins. Grown for stock feeding and exhibition purposes. When only one pumpkin is allowed to make on a plant it sometimes weighs 100 pounds. Bright orange with lighter stripes between ribs. Flesh coarse, hard and firm and of good quality.			
<b>SMALL SUGAR (Boston Pie) (New England Pie)</b> .....	8"	9"	108
Weighs 6 to 8 pounds. Most popular of the pumpkins. A good yielder and a good keeper. Round, slightly flattened at ends with smooth, hard, deep orange skin and a trace of ribs. Flesh thick, bright orange and sweet. Good for general use and excellent for pies.			
<b>STRIPED CUSHAW (Crooknecked Squash)</b> .....	18"	10"	115
Weighs about 15 pounds. Most popular of the Cushaw types. Fruits are round at the blossom end with a narrow long, solid, crooked neck and white with a green mottled stripe. Has thin, smooth hard skin. Flesh yellow, thick and of good quality. A good keeper.			
<b>WHITE CUSHAW</b> .....	18"	7"	112
Weighs about 11 pounds. Smallest of the Cushaws, with neck somewhat straighter and shorter. Smooth, hard, thin skin which is pure white. Flesh medium coarse, thick, yellow.			
<b>YELLOW CUSHAW (Golden Cushaw)</b> .....	20"	9"	115
Weighs 16 to 18 pounds. Largest of the Cushaws. Golden yellow, thin, hard, smooth skin with a yellow, thick dry flesh of a sweet, good quality.			

**RADISH**

<b>BLACK SPANISH, LONG</b> .....	8"	2"	55
Winter variety. Roots slightly tapered from shoulder. Skin black and slightly rough. Flesh white, solid, crisp and pungent. A good keeper.			
<b>BLACK SPANISH, ROUND</b> .....	4"	3½"	55
Winter variety. Roots globular. Skin roughened and black. Flesh white, solid, crisp and pungent. A good keeper.			
<b>CHINESE ROSE WINTER (Rose China Winter)</b> .....	6"	2"	52
Winter variety. Roots slightly larger at bottom, blunt, smooth and bright rose in color. Flesh white, pungent, solid and crisp. A good keeper and the most popular of the winter radishes.			
<b>CHINESE WHITE WINTER (Celestial)</b> .....	8"	3"	58
Winter variety. Roots are broad shouldered, blunt-ended and slightly larger at middle, smooth and white. Flesh white, mild, crisp and solid.			
<b>CRIMSON GIANT</b> .....	1½"	1½"	28
An excellent and popular variety for home and market gardens. Becomes quite large before turning pithy. Roots bright crimson, pure white flesh, crisp, tender and unusually good quality.			
<b>EARLY SCARLET GLOBE</b> .....	1¼"	1"	23
Most popular small, bright scarlet, early variety. Roots have small tops, are olive-shaped, crisp, tender, white-fleshed and of good quality.			
<b>EARLY SCARLET TURNIP</b> .....	1"	1"	25
Commonly used for both gardens and forcing. Roots nearly round, scarlet-red with pinkish-white, tender, crisp flesh. Has small tops, bunches well.			

**RADISH—Continued**

		Length	Diameter	Days to Maturity
<b>EARLY SCARLET TURNIP WHITE TIPPED</b>	.....	1 1/4"	1 1/4"	26
Popular home and market garden sort. Roots nearly round, bright scarlet with lower portion white. Flesh white, tender, crisp, and of good quality. Tops small.				
<b>FRENCH BREAKFAST</b>	.....	1 1/2"	3/4"	25
An old favorite. Roots oblong, thicker at bottom and blunt, bright rose-scarlet with lower portion white. Flesh white, crisp but becomes pithy quickly. Should be eaten at an early stage. Tops small.				
<b>LONG SCARLET SHORT TOP</b>	.....	5"	3/4"	27
Roots long, tapered, smooth, uniform and scarlet colored. Flesh white, crisp and tender. Tops small.				
<b>PHILADELPHIA WHITE BOX (Hailstone)</b>	.....	1 1/2"	1 1/4"	28
A good variety for home gardens and forcing. Roots nearly round, slightly pointed and white. Flesh white, of good quality, tender and very crisp. A good summer radish as well as for early planting.				
<b>SAXA</b>	.....	7/8"	7/8"	22
A forcing variety, but also used for home gardens. Roots spherical shaped, small and bright scarlet. Flesh white, mild and crisp. Tops very short.				
<b>WHITE ICICLE</b>	.....	5 1/2"	3/4"	27
A very popular and excellent radish for home and market gardens. Roots white, long and slender, tapering at the bottom. Flesh white, very brittle, mild and has an excellent flavor.				
<b>WHITE STRASBURG</b>	.....	5"	1 1/2"	39
Most popular summer radish with both home and market gardeners. Roots thick shouldered tapering to a point, smooth and white. Flesh white, crisp and slightly strong.				

**RHUBARB**

<b>VICTORIA</b>	.....	.....	.....
F	Most popular main crop variety. A vigorous producer of thick red stalks of excellent flavor. Usable after two years from seed.		

**SAGE**

<b>BROADLEAF</b>	.....	.....	.....	75
Hardy perennial. Spreading growth, 12 to 15 inches tall. Mild, pungent flavor, pleasant aromatic odor. Most used herb for seasoning.				

**SALSIFY**

<b>MAMMOTH SANDWICH ISLAND (Vegetable Oyster)</b>	.....	8"	1 1/2"	120
Popular with home and market gardeners. Roots dull white, long, smooth, thick shouldered and tapering. Hardy, slow growing, needing the full season. Used for soups, stews, frying and escalloping. Having the oyster flavor. Better flavored after a frost.				

**SPINACH**

<b>BLOOMSDALE SAVOY LONG STANDING</b>	.....	.....	.....	42
F	Home and market gardeners regard this variety for its exceptional value. It's about two weeks later than the original Bloomsdale in bolting its seed stalks. Plants uniform, erect, large and sturdy. Leaves dark green, blistered and crumpled.			

F—Recommended for Quick Freezing Lockers.



*Bloomsdale Savoy Long Standing*

## SPINACH—Continued

	Length	Diameter	Days to Maturity
<b>GIANT NOBEL (Giant Thick Leaf) . . . . .</b>	.....	.....	43
<b>F</b> A smooth, thick leaved variety desirable for canning. Also a favorite in home and market gardens. Slow in forming seed stalks. Plants have enormous yield, large and spreading growth. Leaves large, smooth, thick, deep green, tender and arrow shaped.			
<b>KING OF DENMARK . . . . .</b>	.....	.....	46
<b>F</b> An exceptionally long standing variety. Desirable for spring planting due to slow forming seed stalks. For home and market gardens. Plants are large and spreading with large, rounded dark green leaves somewhat crumpled.			
<b>NEW ZEALAND . . . . .</b>	.....	.....	70
Very productive, tender, leafy shoots may be picked repeatedly until frost. Thrives in hot, dry weather. Not a true spinach. Plants very large and spreading, sometimes attaining a spread of 4 feet. Leaves small, thick, pointed and deep green. Seeds are large, hard and with many points. Advisable to steep seed and plant in warm soil, or start under glass and transplant.			

## SQUASH

<b>BANANA . . . . .</b>	22"	5"	105
Winter. Vining. Fruits long, round, pointed at blossom end with thin slate-gray rind. Flesh light orange, fine grained, thick, and of excellent sweet flavor. Weighs 10 pounds.			
<b>BOSTON MARROW (Orange Marrow) . . . . .</b>	12"	8"	100
<b>F</b> Winter. Vining. Resembles Hubbard in shape and size. A heavy yielder, and a good canner. Fruits are nearly spherical with a hard, brittle rind slightly roughened and deep orange. Flesh yellow, thick, and fine grained. Weight 8 pounds.			

F—Recommended for Quick Freezing Lockers.

**SQUASH—Continued**

		Length	Diameter	Days to Maturity
<b>COCOZELLE (Italian Vegetable Marrow)</b>		15"	4"	65
Summer. Bush. Fruits long, cylindrical and tapering at stem end, color is dark green, ripening with alternate stripes of green and yellow, skin is smooth. Flesh is firm and pale greenish-white. Weight 4 pounds.				
<b>DELICIOUS</b>		8½"	7½"	104
F Winter. Vining. Top shaped fruits with smooth, dark green skin with trace of lighter green stripes. Rind thin and hard. Flesh very thick, fine grained, no fiber and bright yellow. Has very good flavor and a good keeper. Weight 7 pounds.				
<b>EARLY WHITE BUSH SCALLOP (Patty Pan)</b>		3"	8"	55
Summer. Bush. An old favorite. Fruits small, smooth and white, round, and flat with scalloped edges. Of good quality. Weighs 2½ pounds.				
<b>EARLY YELLOW SUMMER CROOKNECK</b>		10"	4"	50
Summer. Bush. A popular variety. Fruits long with a narrow curved neck, orange-yellow in color and covered with warts. Of good quality and plants are very prolific. Seeds are contained in the bowl. Weighs 3 pounds.				
<b>GIANT SUMMER CROOKNECK</b>		16"	4½"	58
Summer. Bush. A large type of early yellow summer crookneck but not widely used. Weighs 4 pounds.				
<b>GIANT SUMMER STRAIGHTNECK</b>		16"	3½"	55
Summer. Bush. Of the crookneck strain, but has a straight neck, which makes it easy to pack as a shipper. More uniform in size. Color is lemon-yellow. Flesh is thick, light yellow and of good quality. Weighs 3 pounds.				
<b>HUBBARD, CHICAGO WARTED</b>		13"	10"	110
F Winter. Vining. Largest of the Hubbards and an excellent keeper. Fruits are dark green, pointed at end, and thickly covered with warts. Flesh thick, orange-yellow, dry and sweet. Very prolific. Weighs 14 pounds.				
<b>HUBBARD, GOLDEN</b>		11"	8"	105
F Winter. Vining. Smaller than green Hubbard and bright golden in color. Very prolific, a good keeper and canner. Fruits globular with prominent neck and a pointed blossom end and thickly covered with coarse warts. Flesh is orange-yellow, thick, dry and fine grained and of excellent quality. Weighs 9 pounds.				
<b>HUBBARD, IMPROVED (True Hubbard)</b>		12"	9"	106
Winter. Vining. Most prominent with home and market gardeners. Fruits deep green, medium sized, and covered moderately with warts. Rind very tough and hard. Flesh very thick, dry, fine grained, orange-yellow, and of excellent quality. A good keeper. Weighs 12 pounds.				
<b>HUBBARD, KITCHENETTE</b>		9"	6"	105
Winter. Vining. Smaller and more the size for the average family. It is equally as good in all respects as Improved Hubbard. Weighs 6 pounds.				
<b>MAMMOTH CHILI</b>		22"	18"	120
Fall. Vining. High in feed value for stock. Also raised for exhibition purposes. Fruits nearly spherical, very large and slightly ribbed, light yellow mottled with orange. Flesh orange-yellow, coarse but solid, fair quality and sometimes used for canning. Weighs 70 pounds.				

F—Recommended for Quick Freezing Lockers.

## SQUASH—Continued

	Length	Diameter	Days to Maturity
TABLE QUEEN (Des Moines) (Acorn).....	5½"	4½"	58
Winter. Vining. A favorite with home and market gardeners also shippers. Fruit oval, ribbed and pointed at blossom end, smooth thin shelled and dark green. Cut in half and baked, serves two. Flesh light yellow and of sweet, delightful flavor. A good keeper. Weighs 1½ pounds.			
ZUCCHINI .....	12"	4"	62
F Summer. Bush. Fruits long, slender and smooth. Color is mottled dark and light green, giving a grayish appearance. Flesh very firm and of excellent flavor. Used often when very small. Weighs 3½ pounds.			

## TOMATO

	Days to Maturity From Setting of Plants.	Days to Maturity
ACME (Early Detroit) .....		82
Pink. Plant, heavy growth and productive. Fruits are medium sized globular, smooth and firm, borne in clusters of five to seven. Valuable as a shipper.		
BEEFSTEAK (Crimson Cushion) .....		90
Scarlet. Plant open in growth and vigorous. Fruits are large, flat, fairly smooth and very mild flavored. Borne in clusters of four to seven. Seed cells are numerous and irregular.		
BISON .....		60
Scarlet. Developed for the northern, mountain and dry regions. Plants are small with small amount of foliage, but are extremely productive. Fruits slightly flattened globe shaped, semi-large, smooth and firm. A sure producer of medium sized to large fruits. Borne in clusters.		
BONNY BEST .....		73
Scarlet. Very popular for general use. Plant is of medium growth and not very hardy. Fruits slightly flattened globe shaped, high crowned, medium large, smooth and solid. Has four to five seed cells. Borne in clusters of four to eight.		
BOUNTY .....		61
Scarlet. A recent introduction. Growing rapidly in high favor in the home garden. Developed for northern states, mountain and dry areas. A heavy yielder which outyields many other popular varieties. Plants are short and small. Fruits are uniform, medium sized, nearly globular, smooth and firm. Remarkably free of stem end cracks and dark green over color. Sets fruits under adverse conditions.		



Bounty

F—Recommended for Quick Freezing Lockers.

## TOMATO—Continued

	Days to Maturity
<b>BREAK O'DAY</b> .....	73
Scarlet. Very popular. Resistant to wilt and nail-head rust. Plant is of open, spreading growth with medium foliage. Fruits medium large, uniform, globe-shaped, smooth and firm fleshed, borne in clusters of four to seven. There is generally a yellowish cast in the color of the fruit.	
<b>CHALK'S EARLY JEWEL</b> .....	74
Scarlet. Plant is of medium, open growth, very thrifty and heavily productive. Fruits flattened, globe shaped, medium large, smooth and firm, borne in clusters of about five.	
<b>DWARF CHAMPION (Tree)</b> .....	86
Pink. Desirable in small limited spaces. Plant is dwarf and tree-like. Fruits flattened, globe-shaped, medium size, smooth and solid; borne in clusters of about four or five.	
<b>EARLIANA</b> .....	66
Scarlet. An old time favorite and still very popular for home and market gardens. Plants are open and spreading in growth, with fine cut foliage. Fruits are somewhat flattened, medium sized and quite smooth, having a great many broken seed cells; borne in clusters of six to ten.	
<b>FIRESTEEL</b> .....	68
Scarlet. Outstanding because of its ability to set fruits in hot weather. Plants are small but yield heavily. Fruits are relatively smooth, medium sized, flattened, globe shape, and very meaty; borne in clusters.	
<b>GOLDEN QUEEN</b> .....	83
Yellow. The best of the large yellow fruited varieties. Plants make a medium growth. Fruits medium large, smooth, somewhat flattened, firm and of mild flavor.	
<b>GREATER BALTIMORE</b> .....	82
Scarlet. Grown principally as a canner. Plants are large and make quick heavy growth. Fruits large, flat, smooth, firm and solid with irregular cell structure; borne in clusters of about five.	
<b>JOHN BAER</b> .....	70
Scarlet. A favorite with home gardeners for local markets and canning. Plants of open growth and of medium height. Fruits medium sized, smooth, semi-globular, high crowned, very solid with irregular cell structures; borne in clusters of four to six.	
<b>JUNE PINK (Pink Earliana)</b> .....	68
Pink. Plant is open, small and spreading. Fruits medium sized, flattened globe shape, smooth and with many broken seed cells; borne in clusters of five to eight or more.	
<b>MARGLOBE</b> .....	79
Scarlet. Very desirable; used by truckers and shippers as well as in the home garden. Resistant to wilt and nail-head rust. Plants are vigorous with heavy foliage, very productive and long bearers. Fruits medium large, smooth and blocky in shape with a tendency to crack at the stem end. Cell structure is broken but quite solid. Borne in clusters of five to seven. Finest of quality.	
<b>MATCHLESS</b> .....	83
Scarlet. A good canner. Plants have heavy upright growth and are good bearers. Fruit is medium to large, smooth and flat, with four to six seed cells; borne in clusters of four to six.	
<b>OXHEART</b> .....	90
Pink. A popular late variety for the home gardener. Plant growth is open and spreading. Fruits very large, often weighing 1 to 2 pounds, heart-shaped, very solid, meaty, and of good mild flavor; borne in clusters of three to seven.	

## TOMATO—Continued

		Days to Maturity
<b>PENN STATE EARLIANA</b> .....		65
Scarlet. A first early tomato of good quality. Plants are open and spreading. Fruits are smooth, medium sized and deep from stem to blossom end. Cell structure is broken but solid. Borne in clusters of six to nine.		
<b>PONDEROSA</b> .....	87	
Pink. The most used large tomato for home use. Plant growth is open and spreading with rather light green foliage. Fruits are very large, flat, inclined to be rough and with a tendency to crack at the stem end. Cell structure is broken but solid with very few seeds. Its flavor is invitingly mild. Borne in clusters of three to five.		
<b>PRITCHARD (Scarlet Topper)</b> .....	80	
Scarlet. Is of very good quality and desirable for market gardeners, shippers and canners. Resistant to wilt and nail-head rust, but has a slight tendency to crack at stem end. Plants short jointed, low growth and with heavy foliage. Fruits large, globular and solid. Borne in clusters of about five.		
<b>RED CHERRY</b> .....	75	
Deep red. Used for preserves. Plant growth is rank. Fruits small, about the size of a cherry and round; borne in very heavy clusters.		
<b>RED HEAD</b> .....	74	
Scarlet. An old favorite. Plant is of medium and rather open growth. Fruits are medium sized, full shaped with four to seven broken seed cells; borne in clusters of about five.		
<b>RUTGERS</b> .....	86	
Scarlet. Fastly becoming very prominent. Is of very good quality. Very desirable for home and market, also a very good green shipper. Plants are large, thick stemmed and have vigorous foliage. Fruits medium sized, globular, smooth and solid with thick walls. Has a habit of ripening from the interior outward. Recommended for canning and tomato juice. Disease resistant.		
<b>SCARLET DAWN</b> .....	70	
Scarlet. Valuable for home, shipping and canning. Is uniform in size and shape and very attractive. Plant is of medium and moderately open growth and a heavy yielder. Fruits medium large, globular, uniform and smooth, handsome in appearance and of a good quality.		
<b>STOKESDALE</b> .....	70	
Scarlet. Valuable to market gardeners, canners, and the home gardener. Early for the size of fruit. Plants open in habit of growth with medium heavy foliage. Fruits large, nearly globe shaped, smooth and of good quality. A good shipper.		
<b>STONE, IMPROVED (New Stone)</b> .....	86	
Scarlet. A favorite of the older varieties and is still widely grown. A good all around tomato for the home and market gardener, canner and trucker. Plants of medium to heavy growth and very productive. Fruits are medium large, uniform, flat, smooth and solid; borne in clusters of four to seven.		
<b>VICTOR</b> .....	62	
Scarlet. Developed for the northern states, mountain, and dry areas. Matures the larger portion of its fruit in the first few weeks, although the plant remains in good condition and bears a long time. Plants are small, short branching and foliage is somewhat sparce. The fruit turns white-green before ripening, thus sun scald rarely occurs. Fruits are quite uniform, medium sized, nearly globular, reasonably smooth and of good quality.		
<b>YELLOW HUSK (Ground Cherry) (Strawberry)</b> .....	85	
Not a true tomato. Has a rich, sweet flavor and used for preserves. Plant is low in growth, spreading and a heavy bearer. Fruits small, round, yellow, and enclosed in a papery husk; borne singly. Also there is a purple fruited variety with a tight papery husk.		

**TOMATO—Continued**

		Days to Maturity
<b>YELLOW PEAR</b> .....		73
Yellow. Valuable for preserving. Plant rank in growth. Fruits small, about 2 inches long and pear shaped; borne in large clusters.		
<b>YELLOW PLUM</b> .....		73
Yellow. Grown for preserves. Plants are rank in growth. Fruits oval or plum shaped, small, about 2 inches long; borne in large clusters.		
<b>YELLOW PONDEROSA</b> .....		89
Yellow. Plants are large, spreading, and resistant to wilt. Fruits large, flat, somewhat rough, solid, with small seed cells; borne in clusters of four to five.		

**TURNIPS**

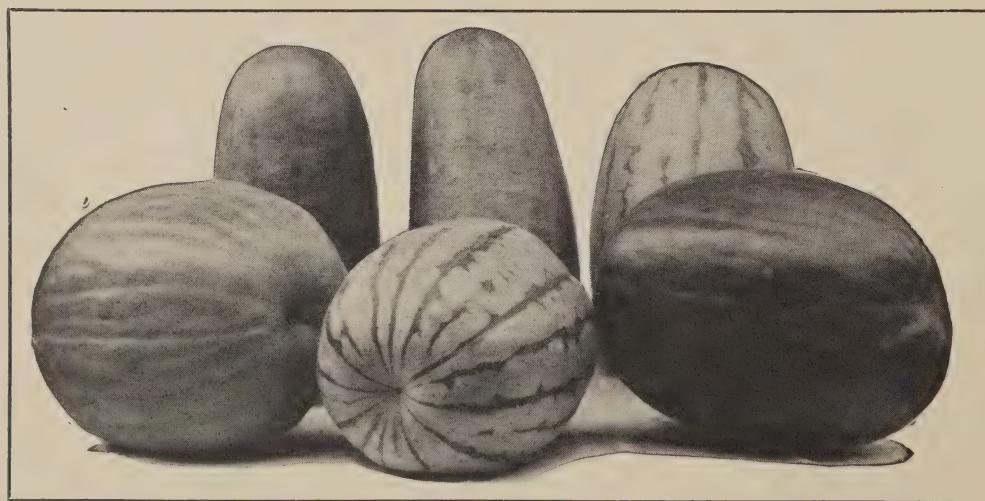
	Root Diam.	Days to Maturity
<b>COW HORN</b> .....	3"	70
Roots grow about one-third above the ground and are about 10 inches long. When used at about 65 days' growth they are tender, sweet and mild for table use. Tops are large, upright with deep cut leaves. Roots white with pale green shoulder and slightly curved. A heavy yielder and used for stock when fully matured.		
<b>PURPLE TOP MILAN</b> .....	3 1/2"	42
An extra early sort for home and market gardens. Tops small, strap leaved. Root is white with a purple top. Flesh is white, sweet, tender and fine grained.		
<b>PURPLE TOP STRAP LEAF</b> .....	4"	46
Very popular with home and market gardeners. Medium early variety. Tops medium small, compact and erect. Roots flat, white with purple top. Flesh fine grained, white, tender and mild.		
<b>PURPLE TOP WHITE GLOBE</b> .....	4"	55
F An all-purpose variety. Used for the home and market gardens, also shipping. Tops dark green, compact, large and cut-leaved. Roots large, white with purple top, globe shaped and smooth. Flesh white, fine grained, mild, crisp and tender.		
<b>SEVEN TOP (Foliage Turnip)</b> .....		
Grown mainly as turnip greens for table use, but also used for forage. Roots are tender and edible when very young, but soon become very woody. Many leafy shoots grow from the root crowns, making a great quantity of excellent greens.		
<b>SHOGOIN or FOLIAGE</b> .....	3"	30
A variety desirable for both roots and greens. Resistant to both plant lice and aphids. It is fast growing, making large, erect, strap-leaved tops. As a green it is edible in 30 days. Roots semi-globe shaped, both skin and flesh are white. Edible in 70 days.		
<b>WHITE EGG</b> .....	2 1/2"	55
Desirable to bunch for the local markets and the home garden. Tops erect, medium sized and cut-leaved. Roots smooth, egg-shaped and white; grows half above ground and gets about 3 inches wide and 3 1/2 inches long. Flesh is fine grained, white, sweet and tender.		

**RUTABAGA or SWEDE TURNIP**

<b>AMERICAN PURPLE TOP (Improved Long Island)</b> .....	5"	90
Most popular variety for home use, market, storage and shipping. Tops are rather small and the neck short. Roots large, spherical, yellow but having a purple top above ground and a small tap root. Flesh is fine grained, light yellow, solid and crisp with a sweet, mild flavor.		

## WATERMELON

	Length	Diameter	Days to Maturity
<b>CITRON, GREEN SEEDED (Colorado Preserving).....</b>	9"	9"	95
Not edible as fresh fruits. Used only for preserving. Vines are very productive. Fruits round with alternating light and dark green irregular stripes. Flesh is hard and white. Seeds heavy, shiny green and smooth. Weight 12 pounds.			
<b>CITRON, RED SEEDED .....</b>	7 1/2"	7 1/2"	95
Same as green seeded, slightly smaller with red seeds. Used only for preserving. Weight 10 pounds.			
<b>COLE'S EARLY (Harris' Early).....</b>	11"	10"	78
A favorite early variety, very desirable where growing seasons are short. Fruits medium sized, dark green, with irregular lighter green stripes. Flesh pinkish red, firm, and with a delicious flavor. Seeds are black. Weighs 20 pounds. Shape, nearly round.			
<b>DIXIE QUEEN (Sometimes called White Seeded Cuban Queen)...</b>	15"	12"	84
A favorite for home and shipping. Very prolific. Fruits light green with dark green stripes. Rind thin and tough. Flesh dark pink, excellent quality and flavor. Seeds small and white. Weighs 32 pounds; sometimes reaches 50 pounds. Shape, nearly round.			
<b>EARLY KANSAS .....</b>	15"	13"	85
Very popular in the midwest. Known by many other names, such as Red Seeded Russian, Indiana Striped, Kansas Queen, Red Seeded Hutchinson, and Wichita Red Seeded. Desirable for shipping and local markets and a heavy yielder. Fruits dark green with light green stripes; rind thin but tough. Flesh rich red, thick, and of splendid quality and flavor. Seeds are shiny brown. Weighs 35 pounds. Shape, nearly round and are slightly off center.			
<b>FLORIDA GIANT (Black Boulder) (Black Diamond) (Cannonball) .....</b>	16"	13"	95
Favored as a shipper and popular in the home garden and local markets. Vines are vigorous and productive. Fruits are dark green with tough rind. Flesh bright red, sweet and crisp. Seeds are mottled dark brown. Weighs 40 pounds. Shape, nearly round.			



Improved Kleckley Sweet

Sweetheart

Tom Watson, Imp.

Golden Honey

Dixie Queen

Stone Mountain

## WATERMELON—Continued

	Length	Diam- eter	Days to Maturity
<b>GEORGIA RATTLESNAKE (Gypsy)</b> .....	21"	9"	90
A southern favorite. Fruits irregularly mottled light green with dark green stripes. Rind quite thick and very tough. Flesh is pink. Seeds light cream with dark brown tips. Weighs 30 pounds. Shape, long.			
<b>GOLDEN HONEY</b> .....	14"	12"	90
A favorite of the yellow fleshed varieties. Fruits are dark green with slightly darker, mottled green stripes. Rind is brittle. Flesh is bright golden and of excellent flavor. Seed brown. Also a white seed strain. Weighs 20 pounds. Shape, nearly round.			
<b>HALBERT HONEY</b> .....	20"	12"	85
Popular in home gardens and local markets but not a good shipper. Vines vigorous and very prolific. Fruit dark green, showing fine veins. Flesh dark pink to within half-inch of rind; seed white with black tips. Weighs 30 pounds. Shape, long with blunt ends.			
<b>HAWKESBURY (Gray Shipper)</b> .....	18"	10"	85
Wilt-resistant variety of the Irish Gray type. A good home variety and shipper. Fruits light green with fine darker green veining. Rind thin and tough. Flesh deep pink and of good quality and flavor. Seed brownish-black. Weighs 35 pounds. Shape, long and sloping at each end.			
<b>IRISH GRAY</b> .....	22"	11"	90
A good shipper and an old favorite. Fruits light grayish-green. Rind hard and tough. Flesh bright red, firm and of good quality. Seeds are white. Weighs 30 pounds. Shape, long and sloping at the ends.			
<b>KLECKLEY SWEET (Monte Cristo) (Rocky Ford)</b> .....	22"	12"	85
A favorite and standard variety for the home garden and local markets. Will not stand long distance shipping. Fruits dark bluish-green. Rind thin and tender. Flesh rich red, tender and exceedingly sweet. Seeds white. Weighs 35 pounds. Shape, long.			
<b>KLECKLEY SWEET, IMPROVED (Wondermelon)</b> .....	24"	12"	88
Improved type of the original Kleckley Sweet and a better shipper. Fruits dark green with slight, indistinct crease running lengthwise. Rind thin but quite hard. Flesh bright red, very sweet and juicy. Seeds white. Weighs 40 pounds. Shape, long.			
<b>KLECKLEY SWEET No. 6, IMPROVED</b> .....	22"	11"	88
Resistant to Fusarium wilt. Desirable where soil disease is serious. Of the same type and quality as Kleckley Sweet. Has bright red, very sweet flesh and a thin, tough, dark green rind. Seed white. Weighs 32 pounds. Shape, long.			
<b>KLONDIKE, BLACK SEEDED</b> .....	14"	10"	85
A favorite of exceptionally good quality and flavor which is surpassed by no other melon. As a shipper it must be handled carefully. Fruit dark green with slight ribs running lengthwise. Rind medium hard. Flesh bright deep red, excellent quality. Very sweet and juicy. Seed small and black. Weighs 25 pounds. Shape, long and slightly tapered at blossom end.			
<b>KLONDIKE STRIPED</b> .....	16"	10"	85
Most desirable of the Klondike types as a shipper. Fruits light green with irregular dark green stripes. Rind is tough and hard and fairly thick. Flesh, scarlet and very sweet. Seeds are small varying from black to white. Weighs 27 pounds. Shape, long and tapering slightly at the blossom end.			

## WATERMELON—Continued

	Length	Diameter	Days to Maturity
<b>NORTHERN SWEET</b> .....	10"	9"	75
Popular early variety, especially where growing seasons are short. Is called the Fourth of July Melon by some, because of its earliness. Fruits are medium green with dark green stripes. Rind is very thin. Flesh, deep red, crisp, sweet and of good quality. Seeds light brown with darker edges. Weighs 12 pounds. Shape, nearly round.			
<b>PEERLESS or ICE CREAM</b> .....	18"	9"	90
Vines are prolific. Fruits, medium green with darker veining. Rind very thin. Flesh dark pink, sweet and of good quality. Seeds white. Weighs 20 pounds. Shape, long and inclined to taper at stem end.			
<b>STONE MOUNTAIN (Dixie Bell)</b> .....	17"	14"	90
A favorite of the large, nearly round types. Fruits dark green with indistinct fine green veining. Rind thick and tough. Flesh bright crimson, fine grained and very sweet. Seeds are white, tipped and spotted with black. Weight, average 35 pounds, but sometimes reach 50 pounds. Shape is broad, oval with blocky ends.			
<b>STONE MOUNTAIN No. 5, IMPROVED</b> .....	14"	12"	85
Resistant to Fusarium wilt. Desirable where soil disease is serious. Resembles Stone Mountain in every respect, but is smaller and earlier. Weighs 30 pounds.			
<b>SWEETHEART</b> .....	13"	11"	88
An old popular variety and a good shipper. Fruits light green with fine, darker green veining. Rind hard and tough. Flesh bright red, crisp and sweet. Seeds black. Weighs 22 pounds. Shape, nearly round with blocky ends.			
<b>THURMOND GRAY</b> .....	22"	11"	90
A sunproof and wilt resistant variety similar to the Irish Gray and is also a good shipper. Fruits grayish-green with faint veining. Rind is very tough. Flesh, bright red, solid and having a fine, sweet flavor. Seeds brown. Weighs 35 pounds. Shape, long and smooth and more cylindrical than the Irish Gray.			
<b>TOM WATSON, IMPROVED (Cut-Red Watson) (Red Heart Watson)</b> .....	22"	12"	93
A favorite among watermelons. This new type is becoming even more popular because of its good color, extending throughout the center, and its outstanding shipping qualities. Fruits, deep green and lightly veined. Rind, elastic and very tough. Flesh, deep red, firm and sweet. Seed, brown with some mottling. Weighs 35 pounds. Shape, cylindrical.			
<b>WHITE RUSSIAN (King and Queen) (Winter) (Christmas Melon)</b> .....	9 1/2"	9"	90
A late maturing small variety which produces heavily and keeps several months when properly stored. Edible qualities are much better when fruits begin to soften in storage. Fruits light cream with faint irregular stripes of light green. Rind, very thin but tough. Flesh, bright red, very firm, crisp and very sweet. Seed small and black. Weighs 12 pounds. Shape, round.			

### ARTICHOKE

## CULTURAL DIRECTIONS

Seeds should be planted early indoors. Set plants outdoors in rich, well drained soil after danger of frost is past. It is a perennial and will persist for years. In areas where winters are severe protect crowns with a heavy mulch to prevent freezing.

### ASPARAGUS

Plant seed in open ground about 1 inch deep in the spring as early as the ground can be worked. Soaking seed 24 hours before planting will help germination. Cultivate freely. Transplant when one or two years old in either spring or fall to permanent location.

### BEANS—Bush

The best soil for beans is well drained, good sandy loam. Plant seeds after all danger of frost is past, 2 inches deep in warm soil. Thin out plants to about 6 inches apart. Cultivate freely before the blooming period, but never when plants are wet. Make plantings two weeks apart to give long bearing season. Pick frequently but only when plants are dry to prevent rust. Inoculate seed before planting to hasten maturity and increase yield.

### BEANS—Pole

Place 6 to 8 foot poles in rows about 3 feet apart and rows spaced 3 to 4 feet apart. Plant five to eight seeds at each pole, 2 inches deep. Press soil firmly to aid germination. Cultivate freely, but only when plants are dry; also gather beans only when the plants are dry. Rows north to south allow the best sun light. Seeds may also be planted to grow on fences, trellis, or corn stalks.

### BEANS—Lima

Plant and cultivate same as other beans. Seeds should be planted with eyes down. Small bush limas should be thinned 9 to 12 inches apart. Large bush limas to about 12 to 15 inches apart. Rows 2½ to 3 feet apart.

### BEETS

Plant seeds 1 inch deep in rows 1 to 2 feet apart as early in the spring as the ground can be worked. Sandy loam is best and should be worked fine. Press firmly around seed. When tops are 3 to 6 inches tall thin out to 6 inches apart, using tops as cooked greens. Replant every two or three weeks until midsummer.

### BROCCOLI

Seed may be planted ½ inch deep. Press soil firmly around seed. May be planted early indoors or in hotbeds for transplanting. Seeds planted outdoors mature plants one week earlier. Plants should be 2 to 3 feet apart in rows 12 to 18 inches apart. Good, rich soil is best. Cultivate freely.

### BRUSSELS SPROUTS

Sow seed outside when soil is warm and frost danger past. Plant seed ½ inch deep in fine, worked soil and press down firmly. Transplant in rows 3 to 4 feet apart. Cultivate freely. Remove lower leaves, allowing more nourishment for the young sprouts.

### CABBAGE

Sow seeds indoors or in hotbeds, allowing 30 to 35 days from seed to transplanting. Plant seed thinly, ½ inch deep, and press soil firmly. Transplant into rich soils, 2½ to 3 feet apart and rows about 12 to 18 inches apart. Cultivate freely.

### CARROT

Sow thinly, about ½ inch deep, in light, fine soil. Rows 12 inches apart. Thin out to 3 to 4 inches apart when about 2 inches tall. Rich, mellow, deep worked soil will produce the best carrots. Cultivate freely. Can be planted in the early spring and every two weeks until midsummer.

### CAULIFLOWER

Allow 30 to 40 days from planting of seed to setting of plants. Sow seed for early plants indoors or under glass, about ½ inch deep, and press soil firmly over seed. Set plants when the ground is warm, from 2 to 3 feet apart with rows 1 to 2 feet apart. Cultivate freely. Tie the leaves up over the center when the heads begin to form, in order to produce white heads.

## CULTURAL DIRECTIONS—Continued

### CELERY

Allow 75 to 90 days from planting of seed to setting of plants. Seeds are slow to germinate, sometimes taking from two to four weeks. Do not allow too much moisture on the small seedlings. Plant seeds in the house or hotbed,  $\frac{1}{4}$  inch deep, or outside as soon as the ground can be worked into good condition. Transplant to 10 inches apart, give plenty of cultivation and water. Use soil boards for blanching. Celery requires close attention. Planted seeds must be kept moist and allowed plenty of air; young plants must not have too much moisture or they will damp off. Growing stalks require plenty of water, but it must not be allowed to stand in the rows.

### COLLARDS

Plant seeds in warm soil, thinly, about  $\frac{1}{2}$  inch deep. Thin out to about 3 inches apart when plants are about 4 inches high.

### CORN—Sweet

Plant only after all danger of frost is past. Hills 12 inches apart and rows 3 feet apart. Drop six seeds per hill, cover 1 inch deep. When 6 inches high, thin out to three or four plants per hill. Cultivate freely.

### CUCUMBER

Plant seed  $\frac{1}{2}$  inch deep in good, warm, sandy loam, as soon as all danger of frost is past. Loose, moist soil is best. Plant eight to ten seeds in hills 3 feet apart. When plants are 6 inches high, thin to three or four in each hill.

### EGGPLANT

Allow 20 to 30 days from seed to setting of plants. Seed sometimes is slow to germinate. Plant seed  $\frac{1}{2}$  inches deep indoors or in hotbeds. Set plants about 2 feet apart. Cultivate freely. Protect young plants from hot sun. Keep plants growing rapidly.

### ENDIVE

Plant seed early outdoors. Cover  $\frac{1}{2}$  inch deep and plant at intervals until mid-summer. Thin or transplant 10 inches apart with rows 18 to 24 inches apart. Tie outer leaves together over top to blanch. Dig before frost, leaving plenty of dirt around roots, pack closely together and store in dark cellar for winter use.

### KALE or BORECOLE

Requires rich soil. Plant seed  $\frac{1}{2}$  inch deep in warm soil, in rows 2 feet apart. Thin out 12 to 22 inches apart in the rows. Withstands a great deal of frost. Leaves are best after a frost.

### KOHL-RABI

Sow seed  $\frac{1}{2}$  inch deep, in light, rich soil, as early as possible, or in hotbeds for transplanting. Either thin out or plant to 6 inches apart. Plant at 10-day intervals for continuous bulbs until hot weather.

### LEEK

Sow seed in early spring. Space rows 12 to 18 inches apart. Cover seed  $\frac{1}{2}$  inch to  $\frac{3}{4}$  inch with fine soil. Thin 3 to 6 inches apart in the rows. When well grown, draw earth up around plant to blanch, making a long, white stem. Cultivate freely.

### LETTUCE

Sow seed outdoors as soon as the ground can be worked. Cover seed  $\frac{1}{4}$  inch with fine worked soil. Plant every two weeks for continuous supply. For head lettuce, transplant or thin to 8 inches apart with rows 18 inches apart. Cool, moist weather is best for heading.

### MUSKMELON

Seeds should not be planted until weather conditions are settled, then  $\frac{3}{4}$  to 1 inch deep in a rich, warm, sandy loam soil. Plant eight to ten seeds in slightly raised hills 4 to 6 feet apart each way. When plants are well started, thin to two or three plants per hill.

## CULTURAL DIRECTIONS—Continued

### MUSTARD

Early in the spring start planting, and continue planting every ten days, to insure plenty of greens. Sow seed  $\frac{1}{2}$  inch deep.

### OKRA

Sow seed 1 inch deep as soon as the ground becomes warm. Sow in rows 3 feet apart. Thin out to 18 to 24 inches apart in the row.

### ONION

Seed may be planted as early in the spring as the ground can be well worked. Sow seed  $\frac{1}{4}$  to  $\frac{1}{2}$  inch deep in rows 12 to 18 inches apart. When seedlings are 3 to 4 inches tall, thin or transplant to 3 to 4 inches apart for making large bulbs. For growing sets, do not thin. Weed and cultivate freely. When bulbs reach maturity, break down tops to hasten ripening before harvest.

### PARSLEY

For winter, plant seed in pots or sow in the early spring in rows 12 to 18 inches apart,  $\frac{1}{4}$  inch deep. Thin seedlings 6 to 8 inches apart in the row. Seed sometimes germinates slowly. It can be aided by soaking over night in warm water.

### PARSNIP

Plant seed early. It requires plenty of moisture to germinate. Water is often allowed to soak in the rows before planting of seed. Rich, sandy loam well pulverized is best for better parsnips. Sow seed in rows 2 to 3 feet apart, about  $\frac{1}{2}$  inch deep. Thin seedlings to 4 to 6 inches apart in the row. Frost improves the flavor. May be left over winter in the ground or dug and stored.

### PEANUTS

Rich, limed, sandy soil is best. Plant after all danger of frost is past. Plant seeds 2 inches deep in rows  $2\frac{1}{2}$  to 3 feet apart, space the shelled nuts 8 to 10 inches apart, unshelled 16 to 18 inches apart, in the row. Cultivate freely. Dig before frost; hang plants in a protected, airy place to dry and cure. Inoculate seed before planting to increase yield and hasten maturity.

### PEAS

Peas may be planted quite early, since light frosts rarely injure them. Continue to replant every ten to fifteen days to insure continuous bearing. May also be planted late for late fall bearing. Sow seed 1 to 2 inches deep in rows 2 to 3 feet apart and seeds about 2 inches apart. Light, rich soil will allow better, quicker growth. Inoculate seed before planting, for quicker maturity and better yields. Varieties that grow over 20 inches should be staked when about 4 to 6 inches tall.

### PEPPERS

Plants should be started indoors or in hotbeds, allowing seven to ten weeks before setting of plants. Cover seeds  $\frac{1}{2}$  inch with good fine soil. Transplant in rows 2 to 3 feet apart and spaced 18 to 24 inches in the row. Moderately light, well fertilized soil is best.

### PUMPKIN

Never plant until the ground is quite warm in the spring. Plant seeds  $\frac{3}{4}$  to 1 inch deep in hills 6 to 8 feet apart. Place five or six seeds in each hill, later thinning to two or three plants per hill. Seeds may also be placed in every fourth hill in the corn field.

### RADISH

Seeds can be planted as early as the ground can be worked in the spring. Make continuous plantings from seven to ten days apart. Light soils produce the best and smoothest roots. Rows should be 12 to 18 inches apart and cover seed  $\frac{1}{2}$  inch with fine soil. Later thin plants 1 to 2 inches apart in the row. Plant winter varieties from the middle of June to the middle of August.

### RHUBARB

Seed should be planted in the early spring in well worked soil. Rows should be 18 inches apart. Thin seedlings to 7 to 12 inches apart. The next spring transplant to permanent location. Crowns should be covered with 4 inches of fine soil and spaced 2 to 4 feet apart.

## CULTURAL DIRECTIONS—Continued

### SAGE

Seed may be planted  $\frac{1}{2}$  inch deep indoors, or outside when soils is warm. Transplant to at least 18 inches apart each way.

### SALSIFY—Oyster Plant

Light soil produces best roots. Sow seed  $\frac{1}{2}$  inch deep in rows  $1\frac{1}{2}$  feet apart. Thin seedlings 4 to 5 inches apart. Soil should be dug deep and worked fine. Roots may be left in the ground over winter or dug and stored in a cool cellar, preferably in moist sand.

### SPINACH

May be planted in September and covered with 3 inches of straw or leaves for protection over winter. Spring seeding may be as early as the ground can be worked. Plant in rows 18 to 24 inches apart, 1 inch deep; thin plants to 3 to 5 inches apart. New Zealand has large horned seeds that are hard to germinate. Seed should be soaked in warm water and planted in warm soil, or started under glass and transplanted.

### SQUASH—Summer

Use rich, deep, fertile soil. Plant seeds 1 inch deep, using eight to ten seeds per hill. Space bush varieties 4 feet apart. Vining sorts space 8 feet by 8 feet or farther apart. Thin to three or four plants per hill.

### SQUASH—Winter

Seeds should be planted in good, rich soil, 1 inch deep. Place six to eight seeds to a hill, spaced 8 feet by 8 feet each way. When plants are about 5 inches tall, thin to three per hill. Gather before frost, but squash must mature on vine to keep well. Avoid bruising and keep in a moderately warm and dry place.

### SWISS CHARD

Plant seeds early. Sow seed 1 inch deep in rows 12 to 18 inches apart. Thin young plants 4 to 6 inches apart. Plants will yield throughout the summer until frost.

### TOBACCO

Seed must be sown very thinly on top of well prepared soil and pressed down firmly. Plant in frames or well prepared seed beds. Transplant in rows 3 to 4 feet apart and space from 2 to 3 feet apart in the rows.

### TOMATO

Sow indoors or in hotbeds in rows 3 inches apart and cover  $\frac{1}{4}$  to  $\frac{1}{2}$  inch deep. Transplant 2-inch plants in small pots or 4 inches apart in flats. Allow about 30 to 35 days from seed to transplanting in the open. After danger of frost is past, transplant to rows 4 feet apart and space 3 to 4 feet apart in the rows.

### TURNIP—Roots

For early turnips, sow in early spring in rows 18 to 24 inches apart and  $\frac{1}{2}$  inch deep. Thin to 3 to 6 inches apart in the row. Replant for continuous roots at two week intervals. Plant in July and August for fall and winter turnips.

### TURNIP—Greens

Plant in early spring and fall for greens. Replants may be made as often as desired. Sow seeds  $\frac{1}{2}$  inch deep in rows 12 to 18 inches apart.

### WATERMELONS

Seeds should not be planted until the weather is quite warm. Rich, well-drained, sandy soils produce the best crops. Two shovelfuls of well-rotted manure mixed well with the soil and placed under each hill will help greatly. Place six to eight seeds in hill spaced 6 to 8 feet apart and cover  $\frac{1}{2}$  inch deep. Thin plants to two or three plants to a hill. Treat with Bodis Seed Treatment to insure better germination and growth.



